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Wire & Cable - Multiconductor



Audio, Control and Instrumentation Cables - Multiconductor Unshielded

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

18 Gage - Stranded Conductors (19 x 30) - PVC Insulated

Tinned copper, PVC insulated, conductors cabled. Chrome PVC jacket.



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)
8489	CMG/CMG	4	100 (30.5), 250 (76.2), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.017 (.43)	.032 (.81)	.257 (6.53)
8465	CMG/CMG	5	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.017 (.43)	.033 (.84)	.282 (7.16)
8467	CMG/CMG	7	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.017 (.43)	.037 (.94)	.314 (7.98)
8469	CMG/CMG	9	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.017 (.43)	.037 (.94)	.364 (9.25)
8466	CMG/CMG	12	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.017 (.43)	.040 (1.02)	.412 (10.46)
8468	CMG/CMG	15	100 (30.5), 500 (152.4), 1000 (304.8)	.017 (.43)	.045 (1.14)	.500 (12.70)
8619	CMG/CMG	19	100 (30.5), 500 (152.4), 1000 (304.8)	.017 (.43)	.045 (1.14)	.490 (12.45)
9626	CMG/CMG	25	100 (30.5), 500 (152.4), 1000 (304.8)	.017 (.43)	.060 (1.52)	.612 (15.54)

18 Gage - Stranded Conductors (19 x 30) - Plenum FEP Insulation



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Jacket Type	Nom. O.D. inch (mm)
88489	CMP, CEC: CMP FT6	4	500 (152.4), 1000 (304.8)	.007 (.18)	.009 (.23)	Red FEP	.161 (4.09)
82489	CMP, CEC CMP FT6	4	U-1000 (U-304.8), 1000 (304.8)	.007 (.18)	.014 (.36)	Natural Flamarrest®	.170 (4.32)

20 Gage - Stranded Conductors (7 x 28) - PVC Insulated

Tinned copper, PVC insulated, conductors cabled. Chrome PVC jacket.



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)
9444	CMG/CMG	4	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.013 (.33)	.032 (.81)	.217 (5.51)
9445	CMG/CMG	5	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.013 (.33)	.032 (.81)	.239 (6.07)
9439	CMG/CMG	7	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.013 (.33)	.032 (.81)	.260 (6.60)
9455	CMG/CMG	9	100 (30.5), 500 (152.4), 1000 (304.8)	.013 (.33)	.035 (.89)	.317 (8.05)
9457	CMG/CMG	12	100 (30.5), 500 (152.4), 1000 (304.8)	.013 (.33)	.035 (.89)	.338 (8.58)
9458	CMG/CMG	15	100 (30.5), 500 (152.4), 1000 (304.8)	.013 (.33)	.040 (1.02)	.389 (9.88)

22 Gage - Stranded Conductors (7 x 30) - Plenum FEP Insulation

Part numbers 88442 and 82442 are twisted pairs.



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Jacket Type	Nom. O.D. inch (mm)
88442	CMP, CEC CMP FT6	2	100 (30.5), 500 (152.4), 1000 (304.8)	.006 (.15)	.012 (.30)	Red FEP	.102 (2.59)
82442	CMP, CEC: CMP FT6	2	U-1000 (U-304.8), 1000 (304.8)	.006 (.15)	.014 (.36)	Natural Flamarrest®	.112 (2.84)
88444	CMP, CEC CMP FT6	4	100 (30.5), 500 (152.4), 1000 (304.8)	.006 (.15)	.010 (.25)	Red FEP	.121 (3.07)
82444	CMP, CEC CMP FT6	4	U-500 (U-152.4), U-1000 (U-304.8), 1000 (304.8)	.006 (.15)	.015 (.38)	Natural Flamarrest® Jacket	.134 (3.40)

22 Gage - Solid Conductors - Polyethylene Insulated

Bare copper, polyethylene insulated, conductors cabled. Rose gray PVC jacket. 300V, 60°C.



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)
9794	MP/CM	4	U-500 (U-152.4), U-1000 (U-304.8), 1000 (304.8)	.018 (.46)	.025 (.64)	.200 (5.08)



Wire & Cable - Multiconductor



Audio, Control and Instrumentation Cables - Multiconductor Unshielded (cont.)

22 Gage - Stranded Conductors (7 x 30) - PVC Insulated

Tinned copper, PVC insulated, conductors cabled. Chrome PVC jacket.



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)
8442	CMG/CMG	2	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 10000 (3048.0)	.015 (.38)	.025 (.64)	.170 (4.32)
8443	CMG/CMG	3	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.172 (4.37)
8444	CMG/CMG	4	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.185 (4.70)
8445	CMG/CMG	5	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.194 (4.93)
9430	CMG/CMG	7	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.214 (5.44)
9421	CMG/CMG	8	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.229 (5.82)
9423	CMG/CMG	9	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.040 (.25)	.032 (.81)	.244 (6.20)
8456	CMG/CMG	10	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.264 (6.71)
8457	CMG/CMG	12	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.272 (6.91)
8458	CMG/CMG	15	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.315 (8.00)
9431	CMG/CMG	20	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.345 (8.76)
8459	CMG/CMG	25	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.387 (9.83)
9432	CMG/CMG	30	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.400 (10.16)
9433	CMG/CMG	40	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.455 (11.56)
9434	CMG/CMG	50	500 (152.4), 1000 (304.8)	.010 (.25)	.045 (1.14)	.500 (12.70)

Computer Cables for EIA RS-232 Applications - Multiconductor - Overall Beldfoil® Shield



Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft. (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF (m) [*]	Nom. Cap pF (m) ^{**}
9533	CMG/CMG	3	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.162 (4.11)	33 (108)	65 (213)
9534	CMG/CMG	4	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.184 (4.67)	33 (108)	65 (213)
9535	CMG/CMG	5	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.189 (4.80)	33 (108)	65 (213)
9536	CMG/CMG	6	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.209 (5.31)	33 (108)	65 (213)
9537	CMG/CMG	7	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.209 (5.31)	33 (108)	65 (213)
9538	CMG/CMG	8	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.224 (5.69)	33 (108)	65 (213)
9539	CMG/CMG	9	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.244 (6.20)	30 (98)	55 (180)
9540	CMG/CMG	10	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.244 (6.19)	30 (98)	55 (180)
9541	CMG/CMG	15	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.032 (.81)	.284 (7.21)	30 (98)	55 (180)
9542	CMG/CMG	20	100 (30.5), U-500 (U-152.4), 500 (152.4), 1000 (304.8)	.010 (.25)	.032 (.81)	.314 (7.98)	30 (98)	55 (180)



Wire & Cable - Multiconductor



Computer Cables for EIA RS-232 Applications - Multiconductor - Overall Beldfoil® Shield (cont.)

Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft. (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
9543	CMG/CMG	25	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.032 (.81)	.339 (8.61)	30 (98)	55 (180)
9544	CMG/CMG	30	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.380 (9.65)	30 (98)	55 (180)
9545	CMG/CMG	40	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.040 (1.02)	.430 (10.92)	30 (98)	55 (180)
9546	CMG/CMG	50	100 (30.5), 500 (152.4), 1000 (304.8)	.010 (.25)	.045 (1.14)	.490 (12.45)	30 (98)	55 (180)

Audio, Control and Instrumentation Cables - Multiconductor Overall Beldfoil® Shield

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.



18 Gage - Stranded Conductors (7 x 26) - PVC Insulated

Tinned copper, PVC insulated, conductors cabled. Tinned copper spiral wrapped shield. Chrome PVC jacket. Suggested working voltage: 450V. Passes VW-1 Vertical Wire Flame Test. Color code: black, red, white.

Part #	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
8791	3	500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.022 (.56)	.028 (.71)	.260 (6.60)	47 (154)	84 (276)
8735	3	500 (152.4), U-1000 (U-304.8), 1000 (304.8)	0.15 (.38)	0.25 (.64)	.202 (5.13)	25 (82)	43 (141)

20 Gage - Stranded Conductors (7 x 28) - Polyethylene Insulated

Tinned copper, polyethylene insulated, conductors cabled. Beldfoil aluminum-polyester shield, 20 AWG stranded tinned copper drain wire. Chrome PVC jacket. 100% shield coverage. Color code: black, red, clear.

Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
8772	CM/CM	3	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.016 (.41)	.033 (.84)	.218 (5.54)	27 (89)	51 (167)

22 Gage - Stranded Conductors (19 x 34) - Polyethylene Insulated

Tinned copper, polyethylene insulated, conductors cabled. Beldfoil aluminum-polyester, 3-23 AWG solid tinned copper-coated steel and 1-25 AWG stranded tinned copper steel drain wires. White PVC jacket. 100% shield coverage. Color code: red, black, green, clear.

Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
8729	CM CL3/CM	4	U-500 (U152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.016 (.41)	.051 (1.30)	.257 (6.53)	22 (72)	42 (138)



Wire & Cable - Multiconductor



Audio, Control and Instrumentation Cables - Multiconductor Overall Beldfoil® Shield (cont.)

18 Gage - Stranded Conductors (16 x 30) - Polyethylene Insulated

Tinned copper, polyethylene insulated, conductors cabled. Beldfoil aluminum-polyester shield, 20 AWG stranded tinned copper drain wire. Chrome PVC jacket. 100% shield coverage. Color code: black, red, clear. NEC/CEC Type is CM/CM. Std. Lgth ft (m) is U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 10000 (3048.0). Insul. Thick. in (mm) is .018 (.46).



Part #	No. Cond.	Jacket Thick. in (mm)	Nom. O.D. in (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
8770	3	.033 (.84)	.246 (6.25)	24 (79)	48 (157)

18 Gage - Stranded Conductors (19 x 30) - S-R PVC Insulated

Tinned copper, S-R PVC insulated, conductors cabled. Beldfoil aluminum-polyester shield, 20 AWG stranded tinned copper drain wire. Chrome PVC jackets. 100% shield coverage. Color code: black, red, white, green. NEC/CEC Type is CMG/CMG. Std. Lgth ft (m) is 100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 10000 (3048.0). Insul. Thick. in (mm) is .010 (.25).



Part #	No. of Cond.	Jacket Thick. in (mm)	Nom. O.D. in (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
9418	4	.035 (.89)	.245 (6.22)	70 (230)	120 (394)

22 Gage - Stranded Conductors (7 x 30) - Polyethylene Insulated

Tinned copper, polyethylene insulated, conductors cabled. Beldfoil aluminum-polyester shield, 22 AWG stranded tinned copper drain wire. Chrome PVC jacket. 100% shield coverage. Color code: black, red, clear. NEC/CEC Type is CM/CM. Std. Lgth ft (m) is 250 (76.2), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 10000 (3048.0). Insul. Thick. inch (mm) is .016 (.41).



Part #	No. Cond.	Jacket Thick. in (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
8771	3	.033 (.84)	.199 (5.05)	23 (75)	41 (134)

18 Gage - Stranded Conductors (16 x 30) - Plenum FEP Insulated

Red FEP Jacket. Suitable for outdoor and direct burial applications.

Part #	NEC/CEC Type	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Jacket Type	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
88770	CMP, CEC: CMP FT6	3	500 (152.4), 1000 (304.8)	.007 (.18)	.014 (.36)	Red FEP	.161 (4.09)	54 (177)	96 (315)
82418	CMP, CEC: CMP FT6	4	U-1000 (U-304.8), 1000 (304.8)	.007 (.18)	.014 (.36)	Natural Flamarrest®	.176 (4.47)	35 (115)	63 (207)
89418	CMP, CEC: CMP FT6	4	100 (30.5), 500 (152.4), 1000	.007 (.18)	.015 (.38)	Natural Flamarrest®	.182 (4.62)	30 (98)	57 (187)

Special Applications

20 Gage Stranded Conductors (7 x 28) UL AWM/Style

Tinned copper conductors, polypropylene insulated, four groups of two conductors with 22 AWG stranded tinned copper drain wire, each group individually Beldfoil® shielded with polyester tape wrap, chrome PVC jacket. Cabled around a common axis. Suggested working voltage: 400V. Passes VW-1 Vertical Wire Flame Test. Pair Color Code: Red and Black, Green and White, White/Red and White/Black, White/Gree and White/Yellow.



Part #	Type	No. of Cond.	Insulation Thickness in. (mm)	Jacket Thickness in. (mm)	Nominal O.D. in. (mm)
8725	UL NEC; C (UL) CEC	8 4 pair	0.015 (0.38)	0.03 (0.76)	0.345 (8.76)

Special Audio, Communication, and Instrumentation Cables

Tinned copper, PVC insulated. Aluminum-polyester shield over Red and Black conductors, 22 AWG stranded tinned copper drain wire, chrome PVC jacket. Pairs cabled on common axis to reduce diameter. Suggested working voltage: 350V. Passes VW-1 Vertical Wire Flame Test. Color code: Red, Black, Green, White. 20 gage stranded conductors (7x28). * Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.



Part #	UL NEC C(UL) CEC Type	No. of Cond.	Standard Lengths - ft. (m)	Std. Unit Lbs. ea.	Insulation Thickness - Inch (mm)	Jacket Thickness - Inch (mm)	Nominal O.D. - Inch (mm)	Nominal Capacitance - pF/ft. (m)*
8722	NEC CMG, CEC CMG	4 (2 shielded, 2 unshielded)	U-500 (U152.4), 500 (152.4), U-1000 (U304.8), 1000 (304.8)	17.4, 18.0, 34.7, 33.9	.015 (.38)	.028 (.74)	.226 (5.74)	60 (197)



Wire & Cable - Multiconductor



Computer Cables for EIA RS-232 Applications - Multiconductor Overall Foil/Braid Shield

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.



Computer Cables for EIA RS-232 Applications - Multiconductor Overall Foil/Braid Shield

22 Gage - Stranded Conductors (7 x 30) - S-R PVC Insulated (cont.)

22 Gage - Stranded Conductors (7 x 30) - S-R PVC Insulated

Tinned copper, S-R PVC insulated, multiconductor cable with overall Beldfoil® aluminum-polyester plus 65% minimum tinned copper braid shield. Chrome PVC jacket. NEC/CEC type is CMG.

Part #	No. of Cond.	Std. Lgth ft (m)	Nom. D.C.R Cond. M' (km)	Nom. D.C.R. Shield M' (km)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
9939	3	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	6.2 (20.3) ohm	.202 (5.13)	37 (121)	67 (220)
9940	4	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	5.0 (16.4) ohm	.215 (5.46)	37 (121)	67 (220)
9941	5	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	7.1 (23.3) ohm	.230 (5.84)	37 (121)	67 (220)
9942	6	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	7.0 (23.0) ohm	.245 (6.22)	35 (115)	63 (207)
9943	7	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	7.0 (23.0) ohm	.245 (6.22)	35 (115)	63 (207)
9944	8	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	6.0 (19.7) ohm	.260 (6.60)	35 (115)	63 (207)
9945	9	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	5.1 (16.7) ohm	.280 (7.11)	35 (115)	63 (207)
9946	10	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	4.6 (15.1) ohm	.300 (7.62)	35 (115)	63 (207)
9947	15	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	4.1 (13.5) ohm	.340 (8.64)	35 (115)	63 (207)
9948	25	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	3.1 (10.2) ohm	.410 (10.41)	35 (115)	63 (207)

Part #	No. of Cond.	Std. Lgth ft (m)	Nom. D.C.R Cond. M' (km)	Nom. D.C.R. Shield M' (km)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
9949	37	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	2.7 (8.9) ohm	.460 (11.68)	35 (115)	63 (207)
9950	50	100 (30.5), 500 (152.4), 1000 (304.8)	14.7 (48.2) ohm	2.3 (7.5) ohm	.555 (14.10)	35 (115)	63 (207)

24 Gage - Stranded Conductors (7 x 32) - S-R PVC Insulated

Tinned copper, S-R PVC insulated, multiconductor cable with overall Beldfoil® aluminum-polyester plus 65% minimum tinned copper braid shield. Chrome PVC jacket. NEC CEC type is CMG.

Part #	No. of Cond.	Std. Lgth ft (m)	Nom. D.C.R Cond. M' (km)	Nom. D.C.R. Shield M' (km)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
9610	5	100 (30.5), 500 (152.4), 1000 (304.8)	24.0 (78.7) ohm	6.5 (21.3) ohm	.215 (5.46)	35 (115)	65 (213)
9614	9	100 (30.5), 500 (152.4), 1000 (304.8)	24.0 (78.7) ohm	7.5 (24.6) ohm	.253 (6.42)	30 (98.4)	55 (180)
9616	15	100 (30.5), 500 (152.4), 1000 (304.8)	24.0 (78.7) ohm	6.0 (19.7) ohm	.300 (7.62)	30 (98.4)	55 (180)



Wire & Cable - Multiconductor



High-Temperature Control and Instrumentation Cables - Multiconductor Overall Beldfoil® Shield

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

22 Gage - Stranded Conductors (7 x 30) - FEP Insulated

Tinned copper, insulated with FEP, conductors cabled. Noise reducing tape, 22 AWG (7 x 30) stranded tinned copper drain wire. Special Beldfoil shield, Red Silicone rubber jacket. 150°C maximum - 70°C minimum operating temperature. 100% shield coverage. Jacket working voltage: 2000V DC, shield to ground. Passes VW-1 Vertical Wire Flame Test.



Part #	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**	Color Code
83394	2	100 (30.5), U-500 (U-152.4), 500 (152.4)	.015 (.38)	.030 (.76)	.204 (5.18)	22 (72)	40 (131)	Black, White
83395	3	100 (30.5), 500 (152.4)	.015 (.38)	.031 (.79)	.213 (5.41)	22 (72)	40 (131)	Black, Red, White
83396	4	100 (30.5), 500 (152.4)	.015 (.38)	.030 (.76)	.222 (5.64)	22 (72)	40 (131)	Red, Black, Green, White



Plenum Audio, Control and Instrumentation Cables - Multiconductor Overall Foil/Braid Shield

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

18 Gage - Stranded Conductors (19 x 30) - FEP Insulated

Tinner copper conductors, FEP insulated, conductors cabled. Beldfoil® aluminum-polyester shield with 85% tinned copper braid shield. Red FEP jacket. Listed for use in an air plenum non-conduit. NEC/CEC type is CMP.

Part #	No. of Cond.	Std. Lgth ft (m)	Insul. Thick. inch (mm)	Jacket Thick. inch (mm)	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
83652	2	100 (30.5), 500 (152.4), 1000 (304.8)	.007 (.18)	.015 (.38)	.179 (4.55)	33 (108)	60 (197)
83653	3	100 (30.5), 500 (152.4), 1000 (304.8)	.007 (.18)	.015 (.38)	.188 (4.78)	33 (108)	60 (197)
83654	4	100 (30.5), 500 (152.4), 1000 (304.8)	.007 (.18)	.015 (.38)	.204 (5.18)	33 (108)	60 (197)
83656	6	100 (30.5), 500 (152.4), 1000 (304.8)	.007 (.18)	.015 (.38)	.239 (6.07)	33 (108)	60 (197)
83659	9	100 (30.5), 500 (152.4), 1000 (304.8)	.007 (.18)	.015 (.38)	.278 (7.06)	33 (108)	60 (197)
83662	12	100 (30.5), 500 (152.4), 1000 (304.8)	.007 (.18)	.015 (.38)	.308 (7.82)	33 (108)	60 (197)



Power-Limited Tray Cable, Unshielded - NEC Type PLTC

22 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded PVC. Jacket is PVC, gray. Temperature range is -20°C to 105°C. Sunlight resistant PVC jacket. UL rated for cable tray use. Meets UL 70,000 BTU Vertical Tray Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Nom. insulation thickness is 0.013 in. (0.33mm). ROHS compliant.



Part #	No. of Cond.	AWG Size	Cond. Strand	Nominal O.D. - inches (mm)
C0441A	2	12	19/0185	0.314 (7.98)
C0439A	2	14	19/0147	0.276 (7.01)
C0437A	2	16	19/0117	0.238 (6.05)
C0435A	2	18	16/30	0.226 (5.74)
C0433A	2	20	7/28	0.206 (5.23)
C0431A	2	22	7/30	0.190 (4.83)
C0440A	3	14	19/0147	0.290 (7.37)
C0438A	3	16	19/0117	0.250 (6.35)
C0436A	3	18	16/30	0.237 (6.02)
C0434A	3	20	7/28	0.216 (5.49)
C0432A	3	22	7/30	0.198 (5.03)
C0444A	4	18	16/30	0.257 (6.53)

Power-Limited Tray Cable, Foil Shield - NEC Type PLTC

Conductor is 22 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded PVC. Shield is 100% Flexfoil® aluminum/polyester, 25% overlap foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 105°C. Nom. insulation thickness in inches (mm) is 0.013 (0.33). ROHS compliant (except C0460).



Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C0460	2	12	19/0185	0.315 (8.00)
C0458A	2	14	19/0147	0.288 (7.32)
C0456A	2	16	19/0117	0.243 (6.17)
C0454A	2	18	16/30	0.227 (5.77)
C0452A	2	20	7/28	0.207 (5.26)
C0450A	2	22	7/30	0.191 (4.85)
C0459A	3	14	19/0147	0.298 (7.57)
C0457A	3	16	19/0117	0.255 (6.48)
C0455A	3	18	16/30	0.238 (6.04)
C0453A	3	20	7/28	0.217 (5.51)
C0451A	3	22	7/30	0.191 (4.85)



Wire & Cable - Multiconductor



Multi-Conductor, Unshielded UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded S-R PVC per UL 1061. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Easy to terminate. Excellent electrical properties. Tinned conductors provide excellent corrosion resistance. Assists soldering applications. Compliances: NEC Article 800 Type CM, UL Style 2464, CSA CMG. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Cond. Strand is 7/32. Nominal insulation thickness is 0.010 in (0.25mm). Nominal jacket thickness is 0.032 in (0.81mm). Part numbers ending in "A" are ROHS compliant.



Part #	No. of Cond.	Nom. O.D. in (mm)
C2461A	2	0.156 (3.96)
C2462A	3	0.163 (4.14)
C2463A	4	0.174 (4.42)
C2464A	5	0.187 (4.75)
C2466A	6	0.200 (5.08)
C2488	7	0.200 (5.08)
C2465A	8	0.214 (5.44)
C2470A	9	0.227 (5.77)
C2471A	10	0.244 (6.20)
C2467A	12	0.251 (6.38)
C2473	15	0.275 (6.99)
C2475	20	0.302 (7.67)
C2476	25	0.332 (8.43)

Multi-Conductor, Rubber, Braid Shields

Conductor is 20 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber. Shield is 80% tinned copper braid. Jacket is rubber, black. Temperature range is -20°C to 60°C. Applications are control circuits, broadcast and studio applications and audio interconnects. Suggested voltage rating is 300 volts. Impact and abrasion resistant. Stranded conductors for superior flexibility. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand is 26/34. Nom. Insulation Thickness in inches (mm) is 0.020 (0.51). Nom. Jacket Thickness in inches (mm) is 0.035 (0.89).



Part #	No. of Cond.	Nominal O.D. - inches (mm)
C1302	2	0.270 (6.86)
C1304	3	0.285 (7.24)
C1305	4	0.305 (7.75)
C1308	5	0.330 (8.38)
C1310	6	0.345 (8.76)
C1312	7	0.360 (9.14)
C1313	8	0.385 (9.78)

Multi-Conductor, Foil Shield - NEC Type CL2 and CM (UL) c(UL) CMH

Conductor is 24 thru 12 AWG fully annealed solid or stranded tinned copper per ASTM B-33. Insulation is premium grade color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 75°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. (CSH 60°C) c(UL) CMH. Passes CSA CMH Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. ROHS compliant.



CM (UL) c(UL) CMH, 300V

AWG size is 22. Nom. jacket thickness in inches (mm) is 0.020 (0.51).

Part #	No. Cond.	Cond. Strand.	Nom. O.D. in. (mm)
C2515A	2	Solid	0.124 (3.15)
C2516A	2	7/30	0.137 (3.48)
C2517A	3	7/30	0.144 (3.66)



Multi-Conductor, Foil Shield - NEC Type CL2 and CM (UL) c(UL) CMH (cont.)

UL Style 2092, CM (UL) c(UL) CMH, 300V

No. of Cond. is 2.

Part #	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2534A	18	16/30	0.233 (5.92)
C2524A	20	7/28	0.203 (5.16)
C2514A	22	7/30	0.179 (4.55)
C2513A	24	7/32	0.167 (4.24)

UL Style 2093, CM (UL) c(UL) CMH, 300V

No. of cond. is 3. Nom. jacket thickness in inches (mm) is 0.030 (0.76).

Part #	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2535A	18	16/30	0.247 (6.27)
C2525A	20	7/28	0.213 (5.41)
C2528A	20	7/28	0.210 (5.34)
C2526A	22	7/30	0.196 (4.98)

UL Style 2094, CM (UL) C(UL) CMH, 300V

No. of cond. is 4. Nom. insulation thickness in inches (mm) is 0.016 (0.41). Nom. jacket thickness in inches (mm) is 0.030 (0.76).

Part #	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2555A	20	7/28	0.234 (5.94)
C2523A	22	7/30	0.213 (5.41)

UL Style 2106, CSA, 600V

No. of cond. is 2. Nom. insulation thickness in inches (mm) is 0.032 (0.81).

Part #	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2539A	12	19/.0185	0.376 (9.55)
C2538A	14	19/.0147	0.335 (8.51)
C2536A	16	19/.0117	0.302 (7.67)

UL Style 2107, CM (UL) c(UL) CMH, 600V

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2537A	3	16	19/.0117	0.326 (8.28)

UL Style 2464, CL2/CM (UL) c(UL) CMH, 300V

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2540A	2	20	7/28	0.180 (4.57)
C2543A	4	18	19/30	0.010 (0.25)



Wire & Cable - Multiconductor



Multi-Conductor, Braid Shields

UL 2095, NEC Type Cm (UL) c(UL), CSA CMG. Conductor is 22 AWG fully annealed solid or stranded tinned copper per ASTM B-33. Insulation is premium grade color coded PVC. Shield is 88% tinned copper braid. Stranded or solid tinned copper drain wire. Jacket is PVC, black. Temperature range is -20°C to 80°C. Applications are electronic circuits where RF shielding is required, radio transmitters, sound systems and recording studios. Good flexibility. Excellent shielding for noise reduction. Suggested voltage rating is 300 volts. Compliances are NEC Article 800 Type CM (UL: 75°C), UL style 2095 (UL: 80°C, 300V). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. CSA CMG (CSA: 60°C). Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. No. of Cond is 2. Nom. Insulation Thickness in inches (mm) is 0.015 (0.38). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. ROHS compliant.



Part #	Cond. Strand.	Nominal O.D. - inches (mm)	Nom. Cap.* pF/ft - A (B)
C2676A	Solid	0.209 (5.31)	48.0 (85.0)
C2677A	7/30	0.211 (5.36)	49.0 (86.0)

Multi-Conductor, Spiral Shield - UL 2095, NEC Type CL2 and CM (UL) c(UL), CSA CMG

Conductor is 22 thru 16 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded PVC. Shield is 85% spiral tinned copper. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). ROHS compliant (except C1337).



UL Style 2095, CM (UL) c(UL), CSA CMG, 300V

No. of Cond. is 2.

Part #	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2888A	20	7/28	0.215 (5.46)
C2882A	22	7/30	0.197 (5.00)

CL2/CM (UL) c(UL), CSA CMG, 300V

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2768A	3	18	16/30	0.256 (6.50)
C1335A	3	22	7/30	0.206 (5.23)
C1337	4	22	0.222 (5.64)	
C1341A	6	22	7/30	0.257 (6.53)

CM (UL) c(UL), CSA CMG, 300V

No. of cond. is 2. Nom. insulation thickness in inches (mm) is 0.016 (0.41). Nom. jacket thickness in inches (mm) is 0.032 (0.81).

Part #	AWG Size	Cond. Strand.	Nom. O.D. in. (mm)
C2892A	18	16/30	0.243 (6.17)
C2895A	16	19/0117	0.265 (6.75)



Multi-Conductor, Rubber, Unshielded

Conductor is 20 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber. Jacket is rubber, black. Temperature range is -20°C to 60°C. Applications are energy management systems, control circuits and fire alarm control. Broadcast and studio requirements. Suggested voltage rating is 350 volts. Excellent impact resistance. High level of abrasion resistance. High flexibility. Excellent mechanical strength. Excellent moisture resistance. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is 26/34. Nom. Insulation Thickness in inches (mm) is 0.020 (0.51). Nom. Jacket Thickness in inches (mm) is 0.035 (0.89).



Part #	No. of Cond.	Nominal O.D. - inches (mm)
C3602	2	0.230 (5.84)
C3603	3	0.255 (6.48)
C3604	4	0.275 (6.99)
C3605	5	0.300 (7.62)
C3606	6	0.315 (8.00)
C3607	7	0.347 (8.81)
C3608	8	0.360 (9.14)
C3610	10	0.410 (10.41)

Multi-Paired, Foil Shield, UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded S-R PVC per UL 1061. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand is 7/32. Nom. insulation thickness in inches (mm) is 0.010 (0.25). Nom. jacket thickness in inches (mm) is 0.032 (0.81). Nom CAP.* pF is 33.0. ROHS compliant (except C0751).

Part #	No. of Pairs	Nom. O.D. - inches (mm)
C0753A	5	0.188 (4.78)
C0742A	4	0.175 (4.45)
C0755A	9	0.228 (5.79)
C0745A	10	0.245 (6.22)
C0749A	30	0.351 (8.92)
C0741A	3	0.164 (4.17)
C0744A	8	0.215 (5.46)
C0747A	20	0.303 (7.70)
C0751	50	0.439 (11.15)
C0748A	25	0.333 (8.46)
C0746A	15	0.276 (7.01)
C0750A	40	0.391 (9.93)
C0740A	2	0.157 (3.99)
C0743A	6	0.201 (5.11)
C0754A	7	0.210 (5.11)



Wire & Cable - Multiconductor



Multi-Conductor, Carolprene®, Braid Shield



Conductor is 18 thru 14 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber. Shield is 80% tinned copper braid. Jacket is Carolprene®, black. Temperature range is -20°C to 60°C. Voltage rating is 300 volts. Impact and abrasion resistant. Stranded conductors for superior flexibility. Meets UL VW-1 Vertical Wire Flame Test. Nom. Insulation Thickness - inches (mm) is 0.025 (0.64), except C1612 is 0.030 (0.76). AWG is 16, except C1612 is 14.

Part #	No. of Cond.	Nom. Jacket Thick. - inches (mm)	Nom. O.D. in. (mm)
C1612	2	0.040 (1.02)	0.395 (10.03)
C1602	2	0.035 (0.89)	0.355 (8.51)
C1603	3	0.035 (0.89)	0.355 (9.02)
C1604	4	0.035 (0.89)	0.385 (9.78)
C1606	6	0.040 (1.02)	0.445 (11.30)
C1608	8	0.040 (1.02)	0.510 (12.95)

Multi-Conductor, Carolprene®, Braid Shield



Conductor is 18 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber. Shield is 80% tinned copper braid. Jacket is Carolprene®, black. Temperature range is -20°C to 60°C. Suggested voltage rating is 300 volts. Impact and abrasion resistant. Stranded conductors for superior flexibility. Designed to meet UL VW-1 Vertical Wire Flame Test. Cond. Strand. is 41/34. Nom. Insulation thickness - inches (mm) is 0.020 (0.51). Nom. Jacket thickness - inches (mm) is 0.035 (0.89), except C1212 is 0.65 (1.65).

Part #	No. of Cond.	Nom. O.D. in. (mm)
C1202	2	0.295 (7.49)
C1203	3	0.305 (7.75)
C1204	4	0.330 (8.38)
C1206	6	0.370 (9.39)
C1208	8	0.425 (10.80)
C1210	10	0.425 (10.80)
C1212	12	0.555 (14.10)



Multi-Conductor, Foil/Braid Shields



UL 2464, NEC Type CM (UL) c(UL), CSA CMG. Conductor is 22 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded S-R PVC per UL 1061. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out and 65% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are computers, industrial equipment, data transmission, and control circuits. Suitable for EIA RS-232 applications. Suggested voltage rating is 300 volts. Braid shield provides good flexibility. Superior shielding where noise rejection is critical. Assists system designers in meeting FCC Docket 20780 demands. Compliances are NEC Article 800 Type CM (UL: 75°C), UL style 2464 (UL: 80°C, 300V) and CSA CMG (CSA: 60°C). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand: 7/30. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). ROHS compliant.

Part #	No. of Cond.	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft @ 20°C	Nominal Cap.* pF/ft - A (B)
C0971A	3	0.199 (5.05)	15.0 (6.2)	37.0 (67.0)
C0972A	4	0.212 (5.38)	15.0 (5.0)	37.0 (67.0)
C0973A	5	0.226 (5.74)	15.0 (7.1)	37.0 (67.0)
C0974A	6	0.241 (6.12)	15.0 (7.9)	35.0 (63.0)
C0975A	7	0.241 (6.12)	15.0 (7.9)	35.0 (63.0)
C0976A	8	0.257 (6.53)	15.0 (5.1)	35.0 (63.0)
C0977A	9	0.272 (6.91)	15.0 (5.1)	35.0 (63.0)
C0978A	10	0.291 (7.39)	15.0 (4.9)	35.0 (63.0)
C0979A	15	0.326 (8.28)	15.0 (4.1)	35.0 (63.0)
C0980A	20	0.357 (9.07)	15.0 (3.7)	35.0 (63.0)
C0981A	25	0.391 (9.93)	15.0 (3.1)	35.0 (63.0)

Multi-Conductor, Flexfoil® Shield

Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded polypropylene. Shield is conductive tape applied over the core and 100% Flexfoil® aluminum/polyester, 25% overlap, minimum, foil facing in. Stranded tinned copper drain wire. Jacket is PVC, black. Temperature range is -20°C to 80°C. Applications are electronic circuits where RF shielding is required, radio transmitters, sound systems and recording studios. Suggested voltage rating is 300 volts. Excellent shielding to reduce noise. Other put-ups available. ROHS compliant.

Part #	Nominal Cap.*pF/ft - A (B)	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)
C1228A	30.0 (54.0)	19/36	0.008 (0.20)	0.020 (0.51)	0.135 (3.43)

Wire & Cable - Multiconductor



Multi-Conductor, Braid Shield

UL 2095, NEC Type Cm (UL) c(UL), CSA CMG. Conductor is 22 thru 18 AWG fully annealed solid or stranded tinned copper per ASTM B-33. Insulation is premium grade color coded PVC. Shield is 75% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Good flexibility. Voltage rating is 300 volts. Compliances are NEC Article 800 Type CM (UL: 75°C), UL style 2095 (UL: 80°C, 300V). Meet UL 70,000 BTU Vertical Tray Flame Test. CSA CMG (CSA: 60°C). Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Part numbers ending in "A" are ROHS compliant.

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nom. Cap.* pF/ft - A (B)
C2686A	2	18	16/30	0.016 (0.41)	0.252 (6.40)	47.0 (85.0)
C2681A	2	20	7/28	0.016 (0.41)	0.230 (5.84)	42.0 (76.0)
C2679	2	22	7/30	0.015 (0.38)	0.212 (5.38)	41.0 (73.0)
C2687A	3	18	16/30	0.016 (0.41)	0.264 (6.71)	43.0 (78.0)
C1332	3	20	7/28	0.016 (0.41)	0.240 (6.10)	42.0 (76.0)
C2678	3	22	7/30	0.015 (0.38)	0.221 (5.61)	37.0 (67.0)
C2688A	4	18	16/30	0.016 (0.41)	0.286 (7.26)	43.0 (78.0)
C2683A	4	20	7/28	0.016 (0.41)	0.259 (6.58)	39.0 (70.0)
C2680A	4	22	7/30	0.015 (0.38)	0.237 (6.02)	37.0 (67.0)

Multi-Conductor, Foil/Braid Shield

UL 2464, NEC Type CL2 or CM (UL) c(UL), CSA CMG. Conductor is 28 and 24 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded S-R PVC per UL 1061. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire (28 AWG only) and 65% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are computers, industrial equipment, data transmission, and control circuits. Suitable for EIA RS-232 applications. Suggested voltage rating is 300 volts. Braid shield provides good flexibility. Superior shielding where noise rejection is critical. Assists system designers in meeting FCC Docket 20780 demands. Compliances are NEC Article 725 Type CL2 - 28 AWG (UL: 75°C), NEC Article 800 Type CM - 24 AWG (UL: 75°C), UL style 2464 (UL: 80°C, 300V) and CSA CMG (CSA: 60°C). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. **A - Capacitance between conductors. **B - Capacitance between one conductor and other conductors connected to shield. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). Part numbers ending in "A" are ROHS compliant.

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft @ 20°C	Nominal Cap.** pF/ft - A (B)
C0951	3	24	7/32	0.186 (4.72)	26.0 (8.6)	35.0 (63.0)
C0939	3	28	7/36	0.166 (4.22)	64.9 (14.2)	22.0 (39.6)
C0952A	4	24	7/32	0.197 (5.00)	26.0 (9.8)	35.0 (63.0)
C0940A	4	28	7/36	0.176 (4.47)	64.9 (9.4)	22.0 (39.6)
C0953A	5	24	7/32	0.210 (5.33)	26.0 (6.5)	35.0 (63.0)
C0941	5	28	7/36	0.186 (4.72)	64.9 (9.4)	22.0 (39.6)
C0954A	6	24	7/32	0.223 (5.66)	26.0 (7.0)	30.0 (54.0)
C0942A	6	28	7/36	0.196 (4.98)	64.9 (10.2)	22.0 (39.6)
C0955A	7	24	7/32	0.223 (5.66)	26.0 (7.1)	30.0 (54.0)
C0943	7	28	7/36	0.196 (4.98)	64.9 (10.2)	22.0 (39.6)
C0956A	8	24	7/32	0.237 (6.02)	26.0 (7.3)	30.0 (54.0)
C0944A	8	28	7/36	0.207 (5.26)	64.9 (10.4)	22.0 (39.6)
C0957A	9	24	7/32	0.250 (6.35)	26.0 (7.5)	30.0 (54.0)
C0945	9	28	7/36	0.217 (5.51)	64.9 (6.3)	20.0 (36.0)
C0958A	10	24	7/32	0.267 (6.78)	26.0 (6.9)	30.0 (54.0)
C0946	10	28	7/36	0.231 (5.87)	64.9 (7.0)	20.0 (36.0)
C0959A	15	24	7/32	0.298 (7.57)	26.0 (6.0)	30.0 (54.0)
C0947	15	28	7/36	0.256 (6.50)	64.9 (10.2)	20.0 (36.0)
C0960	20	24	7/32	0.325 (8.26)	26.0 (5.8)	30.0 (54.0)
C0961A	25	24	7/32	0.355 (9.02)	26.0 (5.1)	30.0 (54.0)
C0948	25	28	7/36	0.301 (7.65)	64.9 (4.5)	20.0 (36.0)



Wire & Cable - Multiconductor



Multi-Conductor, Unshielded, Non-Plenum

22 AWG conductors. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38).



Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1482S	2	0.121 (3.07)
E1484S	4	0.140 (3.56)

Multi-Conductor, Unshielded, Non-Plenum

NEC Type FPLR. Conductor is 22 thru 12 AWG fully annealed solid bare copper per ASTM B-3. Insulation is premium grade, color coded, S-R PVC. Jacket is premium grade, Red PVC. Suitable for use from -20°C to 60°C. Round constructions have sequential footage markings to facilitate installation. Includes ripcord on round constructions. Applications are wiring of fire alarms, smoke detectors, voice communications, burglar alarms and fire protective circuits. Suggested voltage rating is 300 volts. Compliances are UL Type FPLR (UL: 60°C, 300V) and NEC Article 760. California State Fire Marshall Approved. Designed to meet UL 1666 Flame Test. Packaging is 1000' (305m) Pull-Pac® cartons (22, 18 and 16 AWG items only) and 1000' (305m) reels. Other put-ups available. No. of Cond. is 2. Cond. Strand. is solid.



Duplex Parallel, Ribbed For Polarity

Nom. Insulation Thickness in inches (mm) is 0.032 (0.81).

Part #	AWG Size	Nominal O.D. - inches (mm)
E2402S	18	0.105 x 0.210 (2.67 x 5.33)
E2404S	16	0.115 x 0.230 (2.92 x 5.84)
E2406S	14	0.126 x 0.252 (3.20 x 6.41)

12 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1532S	2	0.244 (6.20)
E1534S	4	0.286 (7.26)

14 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1522S	2	0.210 (5.33)
E1524S	4	0.248 (6.30)

16 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1512S	2	0.172 (4.37)
E1514S	4	0.202 (5.13)

18 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1502S	2	0.150 (3.81)
E1503S	3	0.160 (4.06)
E1504S	4	0.175 (4.45)
E1506S	6	0.210 (5.33)
E1508S	8	0.230 (5.84)



Multi-Conductor, Shielded, Non-Plenum

NEC Type FPLR. Conductor is 22 thru 12 AWG fully annealed solid bare copper per ASTM B-3. Insulation is premium grade, color coded, S-R PVC. Shield is overall Flexfoil® polyester supported aluminum foil. Stranded tinned copper drain wire. Jacket is premium grade, Red PVC. Suitable for use from -20°C to 60°C. Sequential footage markings to facilitate installation. Includes ripcord. Applications are wiring of fire alarms, smoke alarms, voice communications, burglar alarms and fire protective circuits. Suggested voltage rating is 300 volts. Compliances are UL type FPLR (UL: 60°C, 300V) and NEC Article 760. California State Fire Marshall Approved. Designed to meet UL 1666 Flame Test. Packaging is 1000' (305m) Pull-Pac® cartons (22, 18, and 16 AWG only), 1000' (305m) reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is solid.



12 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.013 (0.33). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2544S	4	0.293 (7.44)

14 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.013 (0.33). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2532S	2	0.218 (5.54)
E2534S	4	0.253 (6.43)

16 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2522S	2	0.180 (4.57)
E2524S	4	0.210 (5.33)

18 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2502S	2	0.158 (4.01)
E2503S	3	0.165 (4.19)
E2504S	4	0.183 (4.65)
E2506S	6	0.216 (5.49)
E2508S	8	0.235 (5.97)

22 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2482S	2	0.126 (3.20)
E2484S	4	0.145 (3.68)

Wire & Cable - Multiconductor



Multi-Conductor, Unshielded, UL 2464, NEC Type CM (UL) c(UL), CSA CMG



Conductor is 22 AWG fully annealed, stranded tinned copper per ASTM B-33. Insulation is premium grade color coded S-R PVC per UL 1061. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Available packaging 1000' (305m) and 500' (152m) Spools or Reels. Other put-up available. ROHS compliant (except C4069).

Part #	No. Cond.	Nom. O.D. in. (mm)
C6348A	2	0.150 (3.81)
C4062A	3	0.176 (4.47)
C4063A	4	0.189 (4.80)
C4064A	5	0.203 (5.16)
C4066A	6	0.218 (5.54)
C4088A	7	.218 (5.54)
C4065A	8	0.234 (5.94)
C4070A	9	0.249 (6.32)
C4071A	10	0.268 (6.81)
C4067A	12	0.276 (7.01)
C4073A	15	0.303 (7.70)
C4069	18	0.318 (8.08)
C4075A	20	0.334 (8.48)
C4076A	25	0.368 (9.35)
C4077A	30	0.389 (9.88)
C4078A	40	0.434 (11.02)
C4079A	50	0.489 (12.42)

Conductor is 20 or 18 AWG fully annealed stranded, tinned copper per ASTM B-33. Insulation is premium grade color coded PVC per UL 1007. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Design to meet UL 70,000 BTU Vertical Tray Flame Test. Available packaging 1000' (305m) and 500' (152m) Spools or Reels. Other put-up available. ROHS compliant.

Part #	No. Cond.	AWG	Nom. O.D. in. (mm)
C2830A	2	18	0.210 (5.33)
C6351A	2	20	0.192 (4.88)
C2831A	3	18	0.236 (5.99)
C6352A	3	20	0.216 (5.50)
C2404A	4	18	0.258 (6.55)
C6353A	4	20	0.235 (5.97)
C2420A	5	18	0.280 (7.11)
C6355A	5	20	0.254 (6.46)
C2421A	7	18	0.309 (7.85)
C6356A	7	20	0.275 (6.99)
C2422A	9	18	0.358 (9.09)
C6357A	9	20	0.317 (8.05)
C2412A	12	18	0.401 (10.19)
C6360A	12	20	0.354 (9.00)
C2423A	15	18	0.445 (11.30)
C6358A	15	20	0.392 (9.96)
C2424A	19	18	0.469 (11.91)
C2433A	25	18	0.549 (13.94)



Multi-Conductor, Foil Shield - NEC Type CMP (UL) c(UL) and CL3P

Conductor is 22 thru 16 AWG fully annealed stranded tinned or bare copper per ASTM B3, B8 or B33.

Insulation is premium grade, color coded Flexguard® PVC. Shield is 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum. Stranded tinned copper drain wire. Jacket is Flexguard® PVC, natural. Temperature range is 0°C to 60°C. Designed to meet UL 910 Flame Test. Flexible and easy to terminate. Packaging is 1000' (305m) reels. Other put-up available. Nom. insulation thickness in inches (mm) is 0.008 (0.20). Nom. jacket thickness in inches (mm) is 0.015 (0.38).

16 AWG Conductors

Part #	No. of Cond.	Cond. Strand.	Nom. O.D. in. (mm)
C3068	2	19/0.0117	0.187 (4.75)

18 AWG Conductors

Cond. Strand. is 7/26 BC except C3060 and C3061 is Solid BC.

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3060	2	0.148 (3.76)
C3062	2	0.164 (4.17)
C3064	3	0.171 (4.34)
C3061	4	0.171 (4.34)
C3063	4	0.186 (4.72)
C3065	6	0.223 (5.66)

22 AWG Conductors

Cond. Strand. is 7/30 TC.

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3158	2	0.127 (3.23)
C3159	4	0.146 (3.71)

Multi-Conductor, Foil Shield - NEC Type CMP (UL) c(UL) and/or CL2P

Conductor is 18 and 16 AWG fully annealed stranded bare copper to ASTM B3. Class B stranding per ASTM B-8. Insulation is premium grade color coded PVC. Clear polyamide (nylon). Jacket is heat, moisture and sunlight resistant PVC. Temperature range is -25°C to 90°C. Designed to meet UL 910 Flame Test.

16 AWG Conductors

Cond. strand. is 7/.0192 BC except C3169 is 19/.0117 BC. Nom. insulation thickness in inches (mm) is 0.008 (0.20). Nom. jacket thickness in inches (mm) is 0.010 (0.25).

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3169	2	0.181 (4.60)
C3340	3	0.179 (4.55)
C3341	4	0.203 (5.16)

18 AWG Conductors

Cond. strand. is 7/26 BC. Nom. insulation thickness in inches (mm) is 0.008 (0.20). Nom. jacket thickness in inches (mm) is 0.010 (0.25) except C3182 is 0.012 (0.30).

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3162	2	0.138 (3.51)
C3163	4	0.178 (4.52)
C3164	3	0.160 (4.06)
C3166	6	0.212 (5.38)
C3180	8	0.238 (6.05)
C3181	10	0.258 (6.55)
C3182	12	0.282 (7.16)



Wire & Cable - Multiconductor



Multi-Conductor, Foil Shield - NEC Type CMP (UL) c(UL) and/or CL2P (cont.)

20 AWG Conductors

Cond. strand. is 7/28 TC. Nom. insulation thickness in inches (mm) is 0.007 (0.18). Nom. jacket thickness in inches (mm) is 0.010 (0.25). *CL2P only

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3320	2*	0.120 (3.05)
C3321	3*	0.136 (3.45)
C3322	4*	0.153 (3.89)

22 AWG Conductors

Cond. strand. is 7/30 TC. Nom. insulation thickness in inches (mm) is 0.006 (0.20). Nom. jacket thickness in inches (mm) is 0.010 (0.25). *CL2P only

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3154	2*	0.103 (2.62)
C3155	4*	0.130 (3.30)
C3310	3*	0.116 (2.95)
C3311	6*	0.152 (3.86)

Multi-Conductor, Foil Shield - UL 2464, NEC Type CM (UL) c(UL), CSA CMG.

Conductor is 22 or 20 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded S-R PVC or PVC. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire. Jacket PVC, gray. Temperature range is -20°C to 80°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. ROHS compliant.

PVC

AWG size is 20. Cond. strand. is 7/28. Nom. insulation thickness in inches (mm) is 0.015 (0.38). Nom. jacket thickness in inches (mm) is 0.032 (0.81).

Part #	No. of Cond.	Nom. O.D. in. (mm)
C0780A	2	0.207 (5.26)
C0781A	3	0.217 (5.51)
C0782A	4	0.236 (5.99)
C0783A	6	0.276 (7.01)
C0784A	8	0.297 (7.54)
C0785A	10	0.345 (8.76)
C0786A	15	0.393 (9.98)
C0787A	20	0.435 (11.05)

S-R PVC

AWG size is 22. Cond. strand. is 7/30. Nom. insulation thickness in inches (mm) is 0.010 (0.25). Nom. jacket thickness in inches (mm) is 0.032 (0.81).

Part #	No. of Cond.	Nom. O.D. in. (mm)
C0760A	2	0.169 (4.29)
C0761A	3	0.177 (4.50)
C0762A	4	0.190 (4.83)
C0763A	6	0.219 (5.56)
C0764A	8	0.235 (5.97)
C0765A	10	0.269 (6.83)
C0766A	15	0.304 (7.72)
C0767A	20	0.335 (8.51)
C0768A	25	0.369 (9.37)

Mid-Capacitance, Shielded, Plenum

NEC Type FPLP for Microprocessor Controlled Systems. Conductor is 18 thru 12 AWG fully annealed solid bare copper per ASTM B3. Insulation is premium grade color coded Fluoropolymer. Jacket is premium grade, Red Flexguard® PVC. Temperature range is -20°C to 60°C. Applications are addressable fire alarm systems, fire alarm systems, voice communications, smoke detectors and pull boxes. Suggested voltage rating is 300 volts. Compliances are UL type FPLP (UL: 60°C, 300V) and NEC Article 760. California State Fire Marshall Approved. Passes UL 2,500 BTU Vertical Tray Flame Test. Designed to meet UL 910 Flame Test. Red PVC jacket for easy critical circuit identification. Cond. Strand. is solid. *A - Capacitance between conductors and B - Capacitance between one conductor and other conductors connected to shield.

Part #	No. of Cond.	AWG Size	Nom. Insulation Thickness in. (mm)	Nom. Jacket Thickness in. (mm)	Nominal O.D. inches (mm)	Nominal Cap.* pF/ft A (B)
C3167	2	18	0.014 (0.36)	0.015 (0.38)	0.172 (4.37)	31.0 (56.0)
C3168	2	16	0.016 (0.41)	0.015 (0.38)	0.203 (5.16)	33.0 (59.0)
C3173	4	14	0.018 (0.46)	0.020 (0.51)	0.289 (7.34)	38.0 (68.0)

Mid-Capacitance, Shielded, Non-Plenum

NEC Type FPL for Microprocessor Controlled Systems. Conductor is 18 thru 12 AWG fully annealed solid bare copper per ASTM B3. Insulation is premium grade color coded Polyolefin. Jacket is PVC, red. Temperature range is -20°C to 60°C. Applications are addressable fire alarm systems, fire alarm systems, voice communications, smoke detectors and pull boxes. Suggested voltage rating is 300 volts. Compliances are UL type FPL (UL: 60°C, 300V) and NEC Article 760. California State Fire Marshall Approved. Passes UL 2,500 BTU Vertical Tray Flame Test. Designed to meet UL 910 Flame Test. Red PVC jacket for easy critical circuit identification. Packaging is 1000' (305m) reels and 500' (152m) reels. Other put-ups available. Cond. Strand. is solid. Nom. Jacket Thickness in inches (mm) is 0.020 (0.51). *Capacitance between conductors.

Part #	No. of Cond.	AWG Size	Nom. Insulation Thickness inches (mm)	Nominal O.D. inches (mm)	Nominal Cap.* pF/ft A (B)
C0472	2	18	0.014 (0.36)	0.182 (4.88)	27.0 (49.0)
C0474	2	16	0.016 (0.41)	0.210 (5.44)	29.0 (52.0)
C0475	2	14	0.018 (0.46)	0.245 (6.22)	31.0 (55.5)

Multi-Conductor, Unshielded, Riser, NEC Type CMR and/or CL3R

NEC Type CMR and/or CL3R. Conductor is stranded or solid bare copper per ASTM B-3, B-8 and B-286. Insulation is premium grade color coded S-R PVC. Jacket is premium grade gray PVC. Sequential footage markings to facilitate installation. Suitable for use from -20°C to 75°C, includes ripcord. Applications are power limited control circuits. Wiring of the following systems: intercom, security, audio and background music. Suggested voltage rating is 300 volts. Compliances are NEC Article 725 Type CL3R (UL: 75°C, 150V) and NEC Article 800 Type CMR (UL: 75°C, 300V). California State Fire Marshall Approved. Packaging is 1000' (305m) Pull-Pac® cartons, 1000' (305m) spools or reels and 500' (152m) spools reels. Other put-ups available.

18 AWG Conductors

Cond. Strand. is 7/26 except E1030S is solid. Nom. Insulation Thickness in inches (mm) is 0.009 (0.23). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1030S	2	0.144 (3.66)
E1033S	3	0.166 (4.22)
E1036S	6	0.225 (5.72)
E1038S	8	0.245 (6.22)



Wire & Cable - Multiconductor



Multi-Conductor, Unshielded, Riser, NEC Type CMR and/or CL3R (cont.)

20 AWG Conductors

Cond. Strand. is 7/28. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1022S	2	0.134 (3.40)
E1024S	4	0.156 (3.96)

22 AWG Conductors

Cond. Strand. is solid. Nom. Insulation Thickness in inches (mm) is 0.007 (0.20) except E1000S and E1001S is 0.007 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E1000S	2	0.118 (3.00)
E1001S	4	0.128 (3.25)

Multi-Conductor, Shielded, Riser

NEC Type CMR and/or CL3R. Conductor is stranded or solid bare copper per ASTM B-3, B-8 and B-286. Insulation is premium grade color coded S-R PVC. Shield is overall Flexfoil® polyester supported aluminum foil. Stranded tinned copper drain wire. Jacket is premium grade gray PVC. Sequential footage markings to facilitate installation. Suitable for use from -20°C to 75°C, includes ripcord. Applications are power limited control circuits. Wiring of the following systems: intercom, security, audio and background music. Suggested voltage rating is 300 volts. Compliances are NEC Article 725 Type CL3R (UL: 75°C, 150V) and NEC Article 800 Type CMR (UL: 75°C, 300V). California State Fire Marshall Approved. Packaging is 1000' (305m) Pull-Pac® cartons, 1000' (305m) spools or reels and 500' (152m) spools reels. Other put-ups available. *NEC CL3R only on 12 and 14 AWG designs.

12 AWG Conductors

Cond. Strand. is 19/.0185. Nom. Insulation Thickness in inches (mm) is 0.013 (0.33). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2062S	2*	0.281 (7.14)

14 AWG Conductors

Cond. Strand. is 19/.0147. Nom. Insulation Thickness in inches (mm) is 0.013 (0.33). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2052S	2*	0.245 (6.22)

16 AWG Conductors

Cond. Strand. is 19/.0117. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2042S	2	0.189 (4.80)
E2044S	4	0.219 (5.56)

18 AWG Conductors

Cond. Strand. is 7/28 except E2030S is solid. Nom. Insulation Thickness in inches (mm) is 0.009 (0.23). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2030S	2	0.151 (3.84)
E2033S	3	0.173 (4.39)

20 AWG Conductors

Cond. Strand. is 7/28. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2022S	2	0.139 (3.53)

Multi-Conductor, Shielded, Plenum, NEC Type CMP and/or CL3P

NEC Type CMP and/or CL3P. Conductors are stranded or solid bare copper per ASTM B-3, B-8 and B286. Insulation is premium grade color coded Flexguard® PVC. Shield is overall Flexfoil® polyester supported aluminum foil. Stranded tinned copper drain wire. Jacket is premium grade Natural Flexguard® PVC. Sequential footage markings to facilitate installation. Suitable for use from 0°C to 60°C. Applications are power limited control circuits. Wiring of the following systems: intercom, security, audio and background music. Suggested voltage rating is 300 volts. Compliances are NEC Article 725 Type CL3P (UL: 60°C, 150V) and NEC Article 800 Type CMP (UL: 60°C, 300V). Designed to meet UL 910 Flame Test. California State Fire Marshall Approved. Packaging is 1000' (305m) Pull-Pac® cartons and 1000' (305m) reels. Other put-ups available. *NEC CL3P only on 12 and 14 AWG designs.

12 AWG Conductors

Cond. Strand. is 19/.0185. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2262S	2*	0.241 (6.12)

14 AWG Conductors

Cond. Strand. is 19/.0147. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2252S	2*	0.221 (5.61)

16 AWG Conductors

Cond. Strand. is 19/.0117. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2244S	4	0.209 (5.31)

18 AWG Conductors

Cond. Strand. is 7/26 except E2200S is solid. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2203S	3	0.168 (4.27)

20 AWG Conductors

Cond. Strand. is 7/28. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2122S	2	0.143 (3.63)

Multi-Conductor, Unshielded, Plenum, NEC Type CMP and/or CL3P

NEC Type CMP and/or CL3P. Conductors are stranded or solid bare copper per ASTM B-3, B-8 and B286. Insulation is premium grade color coded Flexguard® PVC. Jacket is premium grade Natural Flexguard® PVC. Sequential footage markings to facilitate installation. Suitable for use from 0°C to 60°C. Applications are power limited control circuits. Wiring of the following systems: intercom, security, audio and background music. Suggested voltage rating is 300 volts. Compliances are NEC Article 725 Type CL3P (UL: 60°C, 150V) and NEC Article 800 Type CMP (UL: 60°C, 300V). Designed to meet UL 910 Flame Test. California State Fire Marshall Approved. Packaging is 1000' (305m) Pull-Pac® cartons and 1000' (305m) reels. Other put-ups available. *NEC CL3P only on 12 and 14 AWG designs.

18 AWG Conductors

Cond. Strand. is 7/26 except E3030S is solid. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3033S	3	0.168 (4.27)

22 AWG Conductors

Cond. Strand. is 7/30 except E3000S and E3001S is solid. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20) except E3000S and E3001S is 0.007 (0.18). Nom Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3003S	3	0.127 (3.23)



Wire & Cable - Multiconductor



Multi-Conductor, Unshielded

NEC Type CMP (UL) c(UL) and/or CL2P. Conductor is 22 thru 14 AWG fully annealed stranded tinned or bare copper per ASTM B3, B8 or B33. Insulation is premium grade, color coded Flexguard® PVC. Jacket is fluoropolymer, natural. Temperature range is -20°C to 60°C. Sequential footage marked to facilitate installation. Applications are intercom systems, background music, audio systems and power limited control circuits. Suggested voltage rating is 150 volts. Compliances are NEC Article 725 (UL: 60°C, 150V) and NEC Article 800 (UL: 60°C, 300V). Designed to meet UL 910 Flame Test. Abrasion, chemical and water resistant jacket. Packaging is 1000' (305m) reels. Other put-up available. *Capacitance between conductors.

16 AWG Conductors

Cond. Strand. is 19/.0117 BC. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom. Jacket Thickness in inches (mm) is 0.010 (0.25). Nom.* C-C Cap. pF/ft is 33.0 except C3193 is 31.0.

Part #	No. of Cond.	Nominal O.D. - inches (mm)
C3194	3	0.176 (4.47)
C3195	4	0.187 (4.75)

18 AWG Conductors

Cond. Strand. is 7/26 BC. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom. Jacket Thickness in inches (mm) is 0.010 (0.25). Nom.* C-C Cap. pF/ft is 29.0.

Part #	No. of Cond.	Nominal O.D. - inches (mm)
C3102	2	0.123 (3.12)

Multi-Conductor, Unshielded - NEC Type CMP (UL) c(UL) and/or CL3P

Conductor is 22 thru 12 AWG fully annealed stranded tinned or bare copper per ASTM B3, B8 or B33. Insulation is premium grade, color coded Flexguard® PVC. Jacket is Flexguard® PVC, natural. Temperature range is 0°C to 60°C. Designed to meet UL 910 Flame Test. Flexible and easy to terminate.

12 AWG Conductors

†CL3P only

Part #	No. of Cond.	Cond. Strand.	Nom. O.D. in. (mm)
C3129	2†	19/.0185 BC	0.208 (5.28)

14 AWG Conductors

†CL3P only

Part #	No. of Cond.	Cond. Strand.	Nom. O.D. in. (mm)
C3128	2†	19/.0147 BC	0.182 (4.62)

16 AWG Conductors

Part #	No. of Cond.	Cond. Strand.	Nom. O.D. in. (mm)
C3127	2	19/.0117 BC	0.147 (3.73)

18 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Cond. Strand.	Nom. O.D. in. (mm)
C3112	2	7/26 BC	0.156 (3.96)
C3113	4	7/26 BC	0.182 (4.62)
C3120	3	7/26 BC	0.166 (4.22)
C3121	6	7/26 BC	0.219 (5.56)
C3122	8	7/26 BC	0.239 (6.07)

Multi-Conductor, Unshielded - NEC Type CMP (UL) c(UL) and/or CL3P (cont.)

22 AWG Conductors

Cond. Strand. is 7/30 TC. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20). Nom. Jacket Thickness in inches (mm) is 0.015 (0.38). Nom.* C-C Cap. pF/ft is 30.0.

Part #	No. of Cond.	Nom. O.D. in. (mm)
C3115	2	0.122 (3.10)
C3116	4	0.141 (3.58)

Multi-Conductor, Shielded, Plenum, NEC Type CMP and/or CL3P

22 AWG Conductors

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E2100S	2	0.108 (2.74)
E2103S	3	0.129 (3.28)

Our inventory changes daily. If you don't see what you're looking for, give us a call. We have many items not shown in the catalog!



Wire & Cable - Multiconductor



Communication & Control Cable, Multi-Conductors

Shielded, Plenum - NEC Type CMP and/or CL3P

Conductor stranded or solid bare copper per ASTM B-3, B-8 and B-286. Insulation is premium grade color-coded Flexguard® PVC. Shield is overall Flexfoil® polyester supported aluminum foil and stranded tinned copper drain wire. PVC jacket is natural Flexguard®, has a temperature range from 0°C to +75°C and has sequential footage markings to facilitate installation. California State Fire Marshall approved, designed to meet UL 910 flame test, NEC Article 725 Type CL3P (UL: 75°C, 150V) and NEC Article 800 Type CMP (UL: 75°C, 300V) compliant.



Part #	No. of Cond.	AWG	Cond./Strands	Nom. Insul. Thick in (mm)	Std. Packaging
E2202S.41.86	2	18	7/26	0.008 (0.20)	1000' non-returnable wood reels
E2202S.30.86	2	18	7/26	0.008 (0.20)	1000' Pull-pac Cartons

Foil Shield - UL 2092, NEC Type CL2

Conductor is 24 thru 12 AWG fully-annealed, solid or stranded tinned copper per ASTM B-33. Insulation is premium grade color-coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, foil facing out and stranded tinned copper drain wire. PVC jacket is gray and has a temperature range from -20°C to +75°C. UL Style 2092 (UL: 60°C, 300V) and CM(UL) c(UL) CMH, 300V compliant. *Nominal capacitance between conductors. **Nominal capacitance between one conductor and other conductors connected to shield.



Part #	No. of Cond.	AWG	Cond./Strands	Nom. Insul. Thick. in (mm)	Nom. Cap. (pF/ft)*	Nom. Cap. (pF/ft)**	Std. Packaging
C2534.41.10	2	18	16/30	0.016 (0.41)	26.0	47.0	1000' non-returnable wood reels
C2514.21.10	2	22	7/30	0.016 (0.41)	26.0	47.0	1000' Spool
C2535.41.10	3	18	16/30	0.016 (0.41)	22.0	40.0	1000' non-returnable wood reels

Multiconductor, Unshielded

Conductor is fully annealed stranded tinned copper per ASTM B-33. PVC jacket color is gray and has a temperature range of -20°C to +80°C. Number of conductors is 2. Color code is black/red. Part number C6348.21.10 is CSA CMG (CSA: 80°C) compliant. Part number C2830.41.10 is CSA CMG (CSA: 60°C) compliant. Designed to meet UL 70,000 BTU Vertical Tray Flame Test and NEC Article 800 Type CM (UL: 75°C) compliant. Additionally, C2830.41.10 is also UL Style 2464 (UL: 80°C, 300V) compliant.



Part #	Insulation	Cond. Size (AWG)	Cond./Strands	Nom. Insul. Thick in (mm)	Nom. Capacitance (pF/ft)
C6348.21.10	S-R PVC per UL 1061	22	7/30	0.010 (0.25)	25.5
C2830.41.10	PVC per UL 1007	18	16/30	0.016 (0.41)	28.0

Multi-Conductor, Unshielded - UL 2464, UL 2587. NEC Type CL3 and CM 9UL) c(UL), CSA CMG

NEC Type CM, UL Style 2464 (300 volts)

Awg size is 16. Cond. strand. is 19/.0117. Nom. Insulation thickness inches (mm) is 0.032 (0.81). Nom. C-C Cap. pF/ft is 28.0. ROHS compliant (except C2435, C2429).



Part #	No. of Cond.	Nominal O.D. inches (mm)
C2405A	2	0.268 (6.81)
C2406A	3	0.283 (7.19)
C2425A	4	0.306 (7.77)
C2434A	5	0.334 (8.48)
C2426A	7	0.364 (9.25)
C2443A	8	0.395 (10.03)
C2435	9	0.425 (10.80)
C2427A	12	0.479 (12.17)
C2428A	15	0.530 (13.46)
C2429	19	0.564 (14.33)
C2436A	25	0.657 (16.69)

Multi-Conductor, Unshielded - UL 2464, UL 2587. NEC Type CL3 and CM 9UL) c(UL), CSA CMG (cont.)

NEC Type CL3, UL Style 2587 (600 volts)

Nom. Insulation thickness inches (mm) is 0.032 (0.81). Nom. Jacket thickness inches (mm) is 0.032 (0.81). *Capacitance between conductors. ROHS compliant (except C2431).

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nominal O.D. inches (mm)	Nom. C-C CAP.*pF/ft
C2410A	2	12	19/0.0185	0.370 (9.40)	28.0
C2409A	2	14	19/.0147	0.326 (8.51)	26.0
C2440A	4	12	19/0.0185	0.434 (11.02)	28.0
C2430A	4	14	19/.0147	0.391 (9.93)	26.0
C2437A	5	14	19/.0147	0.428 (10.87)	26.0
C2431	7	14	19/.0147	0.469 (11.91)	26.0



Wire & Cable - Multiconductor



Telephone Station

Conductor is solid bare copper bare per ASTM B-3. Insulation is semi-rigid flame retardant PVC. Core is conductors in a quad configuration (C4412). Jacket is low temperature flame retardant beige PVC (-20°C to 60°C). Sequential footage markings to facilitate installation. Cables are suitable for installation with T-18 staples. Applications are wiring for single line telephone service (not recommended for multiple line use). Intercom systems and speaker extension service. Suggested voltage rating is 300 volts. Compliances are UL Listed Type CMR/CMX - indoor/outdoor and NEC Article 800 Type CMR (UL: 60°C, 300V). Packaging is 1000' (305m) Pull-Pac® cartons. Other put-ups available. Cond. Strand. is solid. Nom. Insulation Thickness in inches (mm) is 0.007 (0.18). Nom. Jacket Thickness in inches (mm) is 0.016 (0.41).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
C4408	2	0.112 (2.84)
C4412	4	0.130 (3.30)

Multi-Conductor, Carolprene®, Braid Shield

Conductor is 14 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber. Shield is 80% tinned copper braid. Jacket is Carolprene®, black. Temperature range is -20°C to 60°C. Voltage rating is 300 volts. Impact and abrasion resistant. Stranded conductors meets UL VV-1 Vertical Wire Flame Test. No. of conductors is 4. Cond. Stand. is 41/30. Nom. Insulations thickness - inches (mm) is 0.030 (0.76). Nom. Jacket thickness - inches (mm) is 0.040 (1.02). Nominal O.D. - inches (mm) is 0.475 (12.06).

Part # C1614



XTRA-GUARD® 1 Multiconductor, Unshielded UL Type CM, AWM 2464

RoHS Compliant. Xtreme performance in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C CM & CMG. Voltage rating is 300. Conductor is stranded tinned copper. Jacket is premium PVC. Jacket colors: chrome gray, industrial black, robust red, high visibility yellow, safety orange, bold blue, environmental green, sand beige, pure white.

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5012C	2	0.032 (0,81)	0.156 (3.96)
5013C	3	0.032 (0,81)	0.163 (4.14)
5014C	4	0.032 (0,81)	0.175 (4.44)
5016C	6	0.032 (0,81)	0.201 (5.11)
5018C	8	0.032 (0,81)	0.215 (5.46)
5020C	10	0.032 (0,81)	0.244 (6.20)
5020/15C	15	0.032 (0,81)	0.271 (6.88)
5020/20C	20	0.032 (0,81)	0.300 (7.62)
5020/25C	25	0.032 (0,81)	0.332 (8.43)
5020/30C	30	0.032 (0,81)	0.350 (8.89)
5020/40C	40	0.032 (0,81)	0.390 (9.91)
5020/50C	50	0.032 (0,81)	0.429 (10.90)
5020/80C	80	0.032 (0,81)	0.526 (13.36)

XTRA-GUARD® 1 Multiconductor, Unshielded UL Type CM, AWM 2464 (cont.)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5002C	2	0.032 (0,81)	0.168 (4.27)
5003C	3	0.032 (0,81)	0.176 (4.47)
5004C	4	0.032 (0,81)	0.189 (4.80)
5006C	6	0.032 (0,81)	0.219 (5.56)
5008C	8	0.032 (0,81)	0.235 (5.97)
5010C	10	0.032 (0,81)	0.268 (6.81)
5010/15C	15	0.032 (0,81)	0.299 (7.59)
5010/20C	20	0.032 (0,81)	0.331 (8.41)
5010/25C	25	0.032 (0,81)	0.368 (9.35)
5010/30C	30	0.032 (0,81)	0.389 (9.88)
5010/40C	40	0.032 (0,81)	0.434 (11.02)
5010/50C	50	0.032 (0,81)	0.478 (12.14)
5010/60C	60	0.032 (0,81)	0.518 (13.16)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5052C	2	0.032 (0,81)	0.208 (5.28)
5053C	3	0.032 (0,81)	0.219 (5.56)
5054C	4	0.032 (0,81)	0.238 (6.05)
5056C	6	0.032 (0,81)	0.280 (7.11)
5058C	8	0.032 (0,81)	0.302 (7.67)
5060C	10	0.032 (0,81)	0.348 (8.84)
5060/15C	15	0.032 (0,81)	0.391 (9.93)
5060/20C	20	0.032 (0,81)	0.437 (11.10)
5060/25C	25	0.032 (0,81)	0.488 (12.40)
5060/30C	30	0.032 (0,81)	0.517 (13.13)
5060/40C	40	0.053 (1,35)	0.622 (15.80)
5060/50C	50	0.053 (1,35)	0.684 (17.37)
5060/60C	60	0.053 (1,35)	0.740 (18.80)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5062C	2	0.032 (0,81)	0.226 (5.74)
5062/1C	2	0.032 (0,81)	0.226 (5.74)
5063C	3	0.032 (0,81)	0.238 (6.05)
5063/1C	3	0.032 (0,81)	0.238 (6.05)
5064C	4	0.032 (0,81)	0.259 (6.58)
5066C	6	0.032 (0,81)	0.307 (7.80)
5068C	8	0.032 (0,81)	0.332 (8.43)
5070C	10	0.032 (0,81)	0.384 (9.75)
5070/15C	15	0.032 (0,81)	0.433 (11.00)
5070/20C	20	0.032 (0,81)	0.484 (12.29)
5070/25C	25	0.032 (0,81)	0.542 (13.77)
5070/30C	30	0.053 (1,35)	0.617 (15.67)
5070/40C	40	0.053 (1,35)	0.688 (17.48)
5070/50C	50	0.053 (1,35)	0.758 (19.25)
5070/60C	60	0.083 (2,11)	0.881 (22.38)



Wire & Cable - Multiconductor



XTRA-GUARD® 1 Multiconductor, Unshielded UL Type CM, AWM 2464 (cont.)

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5072C	2	0.032 (0,81)	0.250 (6.35)
5072/1C	2	0.032 (0,81)	0.250 (6.35)
5073C	3	0.032 (0,81)	0.264 (6.71)
5073/1C	3	0.032 (0,81)	0.264 (6.71)
5074C	4	0.032 (0,81)	0.288 (7.32)
5076C	6	0.032 (0,81)	0.343 (8.71)
5078C	8	0.032 (0,81)	0.372 (9.45)
5080C	10	0.032 (0,81)	0.432 (10.97)
5080/15C	15	0.032 (0,81)	0.488 (12.40)
5080/20C	20	0.053 (1,35)	0.547 (13.89)
5080/25C	25	0.053 (1,35)	0.656 (16.66)
5080/30C	30	0.053 (1,35)	0.694 (17.63)
5080/40C	40	0.083 (2,11)	0.775 (19.68)
5080/50C	50	0.083 (2,11)	0.917 (23.29)
5080/60C	60	0.083 (2,11)	0.989 (25.12)

Multiconductor, Unshielded PVC/PVC

Operating temperature is -20°C to 80°C for AWM and 75°C for CM. Voltage rating is 150 volts for AWM and 300 volts for CM. Gray jacket color. Conductor is stranded tinned copper. Color-coded PVC insulation. PVC jacket.

20 AWG

20 AWG (0,51mm²), 7/28 (10 x 0,25mm), Insulation Thickness is 0.016" (0,41mm). Specifications are UL Type CM, AWM 2509, 2576, CSA CMG FT4, Passes UL Vertical Tray Flame Test. Available in 100 ft (30,5m), 500 ft (152m), 1000 ft (305m) put-ups.

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1895C	2	0.020 (0,50)	0.18 (4,6)
1896C	3	0.020 (0,50)	0.19 (4,8)
1896/4C	4	0.020 (0,50)	0.21 (5,3)
1896/5C	5	0.020 (0,50)	0.23 (5,9)
1896/6C	6	0.020 (0,50)	0.25 (6,5)
1896/7C	7	0.020 (0,50)	0.25 (6,5)
1896/8C	8	0.020 (0,50)	0.27 (6,9)
1896/9C	9	0.020 (0,50)	0.30 (7,6)
1896/10C	10	0.020 (0,50)	0.33 (8,5)
1896/12C	12	0.020 (0,50)	0.35 (8,9)
1896/15C	15	0.030 (0,76)	0.39 (10,0)



Multiconductor, Unshielded PVC/PVC

22 AWG

22 AWG (0,35mm²), 7/30 (7 x 0,25mm), Insulation Thickness is 0.010" (0,25mm). Specifications are UL Type CM, AWM 2576; CSA CMG FT4. Passes UL Vertical Tray Flame Tray. Available in 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups.

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1172C	2	0.032 (0,81)	0.16 (4,1)
1173C	3	0.032 (0,81)	0.17 (4,3)
1174C	4	0.032 (0,81)	0.19 (4,8)
1175C	5	0.032 (0,81)	0.20 (5,1)
1176C	6	0.032 (0,81)	0.21 (5,3)
1177C	7	0.032 (0,81)	0.21 (5,3)
1178C	8	0.032 (0,81)	0.22 (5,6)
1179C	9	0.032 (0,81)	0.25 (6,3)
1180C	10	0.032 (0,81)	0.26 (6,6)
1181C	12	0.032 (0,81)	0.28 (7,1)

14 AWG

14 AWG (2,08mm²), 41/30 (41 x 0,25mm), Insulation Thickness is 0.020" (0,50mm)

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1891C	2	0.020 (0,50)	0.26 (6,6)
1891/3C	3	0.020 (0,50)	0.28 (7,1)

16 AWG

16 AWG (0,31mm²), 19/0.0117 (19 x 0,29mm), Insulation Thickness is 0.016" (0,41mm).

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1899C	2	0.020 (0,50)	0.22 (5,7)
1899/3C	3	0.020 (0,50)	0.24 (6,3)
1899/4C	4	0.020 (0,50)	0.27 (6,9)

18 AWG

18 AWG (0,81mm²), 16/30 (16 x 0,25mm), Insulation Thickness is 0.016" (0,41mm). Available in 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups.

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1897C	2	0.020 (0,50)	0.20 (5,0)
1898C	3	0.020 (0,50)	0.21 (5,3)
1898/4C	4	0.020 (0,50)	0.24 (6,1)
1898/5C	5	0.020 (0,50)	0.26 (6,6)
1898/6C	6	0.020 (0,50)	0.29 (7,4)
1898/7C	7	0.020 (0,50)	0.29 (7,4)
1898/8C	8	0.025 (0,63)	0.31 (8,0)
1898/9C	9	0.025 (0,63)	0.34 (8,8)
1898/10C	10	0.025 (0,63)	0.37 (9,4)
1898/12C	12	0.025 (0,63)	0.38 (9,8)
1898/15C	15	0.030 (0,76)	0.44 (11,3)
1898/19C	19	0.030 (0,76)	0.47 (11,9)
1898/25C	25	0.035 (0,88)	0.56 (14,1)



Wire & Cable - Multiconductor



Multiconductor, Foil Shield PP, PE, PVC/PVC

Operating temperature is -20°C to 80°C for AWM and 75°C for CM. Voltage rating is 300. Color-code is 1 - White, 2 - Black, 3 - Red and 4 - Green. Jacket color is gray. Conductor is stranded tinned copper. Color-coded PVC, Polypropylene (PP) or Polyethylene (PE) insulation. Shield is aluminum/polyester tape, foil facing outward. Drain wire is stranded tinned copper. PVC jacket. Specifications are UL Type CM, CSA CMG FT4, passes UL Vertical Tray Flame Test. "C" suffix indicates CM rating. Dimensions in inches (mm).

Part #	No. of Cond.	Cond. AWG	Cond. Strand	Material	Insulation Thickness	Jacket Thickness	Diameter	Color Code
2460C	2	22	Solid	PP	0.008 (0,20)	0.018 (0,45)	0.13 (3,4)	2,3 - shield
2465C	4	20	7/28	PVC	0.015 (0,38)	0.030 (0,76)	0.23 (5,9)	2,3 - shield; 1,4 - unshield

Multiconductor, Foil Shield PE/PVC - Insulation Thickness: 0.016" (0,41mm)

Operating temperature is -20°C to 60°C for AWM, 75°C for CM. Voltage rating is 300 volts, 150 volts for CL2. Color code is 1 - Black, 2 - Red, 3 - Natural and 4 - Green. Jacket color is gray. Conductor is stranded tinned copper. Color-coded polyethylene (PE) insulation. Shield is aluminum/polyester tape, foil facing outward. Drain wire is stranded tinned copper. Jacket is PVC. Specifications are UL Type CM, AWM 2092, 2093, 2094 (24 thru 16 AWG only); UL Type CL2 (14 and 12 AWG); CSA AWM II A, FT4 (14 and 12 AWG); CSA CMG FT4; passes UL Vertical Tray Flame Test. "C" suffix indicates CM or CL2 rating as applicable. Available in 100 ft (30,5m), 500 ft (152m), 1000 ft (305m), 1000 ft (305m) boxed, 500 ft (152m) boxed put-ups. *Also available 328 ft (100 m).

Part #	No. of Cond.	Conductor AWG	Conductor Strand	Jacket Thickness inches (mm)	Dia. inches (mm)	Drain Wire AWG	Drain Wire Strand	Color Code
2432C	2	16	19/0.0117	0.020 (0,50)	0.24 (6,2)	18	16/30	1, 2
2422C	2	18	16/30	0.020 (0,50)	0.21 (5,3)	20	10/30	1, 2
2421C	2*	18	16/30	0.020 (0,50)	0.21 (5,3)	20	10/30	1, 3
2412C	2	20	7/28	0.020 (0,50)	0.18 (4,7)	20	10/30	1, 2
2411C	2*	20	7/28	0.020 (0,50)	0.18 (4,7)	20	10/30	1, 3
2401C	2*	22	7/30	0.020 (0,50)	0.17 (4,3)	22	7/30	1, 2
2402C	2	22	7/30	0.020 (0,50)	0.17 (4,3)	22	7/30	1, 3
2400C	2	24	7/32	0.020 (0,50)	0.16 (4,0)	24	7/32	1, 3
2433C	3	16	19/0.0117	0.020 (0,50)	0.26 (6,6)	18	16/30	1, 2, 3
2423C	3*	18	16/30	0.020 (0,50)	0.23 (5,8)	20	10/30	1, 2, 3
2413C	3*	20	7/28	0.020 (0,50)	0.20 (5,2)	20	10/30	1, 2, 3
2403C	3*	22	7/30	0.020 (0,50)	0.18 (4,7)	22	7/30	1, 2, 3
2424C	4*	18	16/30	0.020 (0,50)	0.25 (6,4)	20	10/30	1, 2, 3, 4
2414C	4*	20	7/28	0.020 (0,50)	0.22 (5,7)	20	10/30	1, 2, 3, 4
2404C	4*	22	7/30	0.020 (0,50)	0.20 (5,1)	22	7/30	1, 2, 3, 4

Multiconductor, Foil Shield PVC/PVC

Operating temperature is -20°C to 80°C for AWM and 75°C for CM. Voltage rating is 300 volts for CM and 150 volts for AWM. Gray jacket color. Conductor is stranded tinned copper. Color-coded PVC insulation. Shield is aluminum/polyester tape, foil facing outward. PVC jacket. Specifications are UL Type CM, AWM 2576; CSA CMG FT4. Passes UL Vertical Tray Flame Test. Available in 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups.

22 AWG (0,35mm²), 7/30 (7 x 0,25mm), Insulation Thickness is 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1292C	2	0.032 (0,81)	0.17 (4,2)
1293C	3	0.032 (0,81)	0.18 (4,6)
1294C	4	0.032 (0,81)	0.19 (4,9)
1295C	5	0.032 (0,81)	0.20 (5,1)
1296C	6	0.032 (0,81)	0.22 (5,4)
1297C	7	0.032 (0,81)	0.22 (5,4)
1298C	8	0.032 (0,81)	0.23 (5,7)
1299C	9	0.032 (0,81)	0.25 (6,3)
1299/10C	10	0.032 (0,81)	0.27 (6,9)
1299/12C	12	0.032 (0,81)	0.28 (7,1)
1299/15C	15	0.032 (0,81)	0.30 (7,6)
1299/20C	20	0.032 (0,81)	0.33 (8,4)
1299/25C	25	0.032 (0,81)	0.37 (9,4)
1299/30C	30	0.032 (0,81)	0.39 (9,9)
1299/37C	37	0.032 (0,81)	0.43 (10,8)
1299/40C	40	0.032 (0,81)	0.44 (11,2)
1299/50C	50	0.035 (0,89)	0.48 (12,2)

Multiconductor, Foil Shield PVC/PVC (cont.)

24 AWG (0,23mm²), 7/32 (7 x 0,20mm), Insulation Thickness is 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness inches (mm)	Diameter inches (mm)
1212C	2	0.032 (0,81)	0.16 (3,9)
1213C	3	0.032 (0,81)	0.17 (4,2)
1214C	4	0.032 (0,81)	0.18 (4,7)
1215C	5	0.032 (0,81)	0.18 (4,7)
1216C	6	0.032 (0,81)	0.20 (5,1)
1217C	7	0.032 (0,81)	0.20 (5,1)
1218C	8	0.032 (0,81)	0.21 (5,4)
1219C	9	0.032 (0,81)	0.22 (5,6)
1219/10C	10	0.032 (0,81)	0.23 (5,9)
1219/12C	12	0.032 (0,81)	0.27 (6,9)
1219/15C	15	0.032 (0,81)	0.28 (7,1)
1219/20C	20	0.032 (0,81)	0.30 (7,7)
1219/25C	25	0.032 (0,81)	0.33 (8,4)
1219/37C	37	0.032 (0,81)	0.39 (10,0)
1219/40C	40	0.032 (0,81)	0.41 (10,3)
1219/50C	50	0.032 (0,81)	0.45 (11,3)



Wire & Cable - Multiconductor



Multiconductor, Spiral Shield PVC/PVC

Operating temperature is -20°C to 80°C. Voltage rating is 300 volts (22 thru 16 AWG) and 450 volts (14 AWG). Color code is 1-black, 2-red, 3-white, 4-green, 5-yellow and 6-blue. PVC jacket color is gray. Conductor is stranded tinned copper. Color-coded PVC insulation. Shield is spiral-wrapped bare copper (95% coverage). Wrap is clear polyester (multiconductor only). Jacket is PVC. Specifications are AWM 1108, 2095. UL 1108 - single conductor 22 thru 16 AWG only and UL 2095 - multiconductor 22 thru 16 AWG only. Available in 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups.

Part #	No. of Cond.	Conductor Size	Conductor Strand	Insulation Thickness inches (mm)	Jacket Thickness inches (mm)	Dia. inches (mm)
2258/1	1*	18	16/30	0.016 (0,41)	0.020 (0,50)	0.14 (3,6)
2256/1	1*	20	10/30	0.016 (0,41)	0.020 (0,50)	0.13 (3,3)
2254/1	1*	22	7/30	0.016 (0,41)	0.020 (2,50)	0.12 (3,0)
2260	2	16	26/30	0.016 (0,41)	0.020 (0,50)	0.24 (6,1)
2258	2	18	16/30	0.016 (0,41)	0.020 (0,50)	0.21 (5,3)
2256	2	20	10/30	0.016 (0,41)	0.020 (0,50)	0.19 (4,8)
2260/3	3	16	26/30	0.016 (0,50)	0.020 (0,50)	0.26 (6,6)
2258/3	3	18	16/30	0.016 (0,41)	0.020 (0,50)	0.23 (5,8)
2256/3	3	20	10/30	0.016 (0,41)	0.020 (0,50)	0.21 (5,3)
2254/3	3	22	7/30	0.016 (0,41)	0.020 (0,50)	0.19 (4,8)
2258/4	4	18	16/30	0.016 (0,41)	0.020 (0,50)	0.25 (6,4)
2256/4	4	20	10/30	0.016 (0,41)	0.020 (0,50)	0.22 (5,7)
2254/4	4	22	7/30	0.016 (0,41)	0.020 (0,50)	0.20 (5,0)
2256/6	6	20	10/30	0.016 (0,41)	0.020 (0,50)	0.26 (6,7)
2254/6	6	22	7/30	0.016 (0,41)	0.020 (0,50)	0.23 (5,8)

XTRA-GUARD® 1 Multiconductor, Foil Shield, UL AWM 2501

CSA AWM I A/B II A/B FT4. RoHS Compliant. Xtreme performance in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C. 600 Volts. Jacket colors is chrome gray, industrial black, robust red, high visibility yellow, safety orange, bold blue, environmental green, sand beige, pure white. Jacket is premium PVC. Stranded tinned copper conductor. Insulation is color-coded premium PVC. Shield is aluminum/polyester foil facing in with stranded tinned copper drain wire.

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5410/2	2	0.322 (8.18)
5410/3	3	0.337 (8.56)
5410/4	4	0.362 (9.19)
5410/5	5	0.389 (9.88)
5410/9	9	0.477 (12.12)
5410/12	12	0.525 (13.34)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5420/3	3	0.354 (8.99)
5420/4	4	0.381 (9.68)
5420/5	5	0.411 (10.44)
5420/7	7	0.442 (11.23)
5420/9	9	0.507 (12.88)
5420/12	12	0.558 (14.17)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5430/2	2	0.356 (9.04)
5430/3	3	0.373 (9.47)
5430/4	4	0.403 (10.24)
5430/5	5	0.436 (11.07)
5430/7	7	0.470 (11.94)

XTRA-GUARD® 1 Multiconductor, Foil Shield, UL AWM 2501 (cont.)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5430/9	9	0.539 (13.69)
5430/12	12	0.595 (15.11)
5430/15	15	0.647 (16.43)
5430/19	19	0.690 (17.53)
5430/25	25	0.800 (20.32)

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5440/2	2	0.380 (9.65)
5440/3	3	0.399 (10.13)
5440/4	4	0.432 (10.97)
5440/5	5	0.468 (11.89)
5440/7	7	0.506 (12.85)
5440/9	9	0.583 (14.81)
5440/15	15	0.702 (17.83)

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5450/2	2	0.410 (10.41)
5450/3	3	0.432 (10.97)
5450/4	4	0.49 (12,4)
5450/5	5	0.509 (12.93)
5450/7	7	0.551 (14.00)
5450/9	9	0.638 (16.21)
5450/12	12	0.707 (17.96)
5450/15	15	0.771 (19.58)



Wire & Cable - Multiconductor



XTRA-GUARD® 1 Multiconductor, Foil Shield, UL Type CM, AWM 2464
16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5362C	2	0.032 (0,81)	0.254 (6.45)
5362/1C	2	0.032 (0,81)	0.254 (6.45)
5363C	3	0.032 (0,81)	0.268 (6.81)
5363/1C	3	0.032 (0,81)	0.268 (6.81)
5364C	4	0.032 (0,81)	0.292 (7.42)
5366C	6	0.032 (0,81)	0.347 (8.81)
5368C	8	0.032 (0,81)	0.376 (9.55)
5370C	10	0.032 (0,81)	0.436 (11.07)
5370/15C	15	0.032 (0,81)	0.492 (12.50)
5370/20C	20	0.053 (1,35)	0.593 (15.06)
5370/25C	25	0.053 (1,35)	0.660 (16.76)
5370/30C	30	0.053 (1,35)	0.698 (17.73)
5370/40C	40	0.083 (2,11)	0.779 (19.79)

XTRA-GUARD® 1 Multiconductor, Foil Shield, UL Type CM, AWM 2464

CSA PCC FT4. RoHS Compliant. Xtreme performances in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C CM & CMG. Voltage rating is 300. Conductor is stranded. Insulation is color-coded premium PVC. Shield is aluminum/polyester foil facing in with stranded tinned copper drain wire. Jacket is premium PVC.

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5092C	2	0.032 (0,81)	0.160 (4.06)
5093C	3	0.032 (0,81)	0.167 (4.24)
5094C	4	0.032 (0,81)	0.179 (4.55)
5096C	6	0.032 (0,81)	0.205 (5.21)
5098C	8	0.032 (0,81)	0.219 (5.56)
5100C	10	0.032 (0,81)	0.248 (6.30)
5100/15C	15	0.032 (0,81)	0.275 (6.98)
5100/20C	20	0.032 (0,81)	0.304 (7.72)
5100/25C	25	0.032 (0,81)	0.336 (8.53)
5100/30C	30	0.032 (0,81)	0.354 (8.99)
5100/40C	40	0.032 (0,81)	0.394 (10.01)
5100/50C	50	0.032 (0,81)	0.433 (11.00)
5100/60C	60	0.032 (0,81)	0.468 (11.89)
5100/70C	70	0.032 (0,81)	0.505 (12.83)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5192C	2	0.032 (0,81)	0.172 (4.37)
5193C	3	0.032 (0,81)	0.180 (4.57)
5194C	4	0.032 (0,81)	0.193 (4.90)
5196C	6	0.032 (0,81)	0.223 (5.66)
5198C	8	0.032 (0,81)	0.239 (6.07)
5199/10C	10	0.032 (0,81)	0.272 (6.91)
5199/15C	15	0.032 (0,81)	0.303 (7.70)
5199/20C	20	0.032 (0,81)	0.335 (8.51)
5199/25C	25	0.032 (0,81)	0.372 (9.45)
5199/30C	30	0.032 (0,81)	0.393 (9.98)
5199/40C	40	0.032 (0,81)	0.438 (11.13)
5199/50C	50	0.032 (0,81)	0.482 (12.24)
5199/60C	60	0.032 (0,81)	0.522 (13.26)
5199/70C	70	0.053 (1,35)	0.606 (15.39)



XTRA-GUARD® 1 Multiconductor, Foil Shield, UL Type CM, AWM 2464 (cont.)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5462C	2	0.032 (0,81)	0.212 (5.38)
5463C	3	0.032 (0,81)	0.223 (5.66)
5464C	4	0.032 (0,81)	0.242 (6.15)
5466C	6	0.032 (0,81)	0.284 (7.21)
5468C	8	0.032 (0,81)	0.306 (7.77)
5470C	10	0.032 (0,81)	0.352 (8.94)
5470/15C	15	0.032 (0,81)	0.95 (10.03)
5470/20C	20	0.032 (0,81)	0.441 (11.20)
5470/25C	25	0.032 (0,81)	0.492 (12.50)
5470/30C	30	0.032 (0,81)	0.521 (13.23)
5470/40C	40	0.053 (1,35)	0.626 (15.90)
5470/50C	50	0.053 (1,35)	0.688 (17.48)
5470/60C	60	0.053 (1,35)	0.744 (18.90)
5470/80C	80	0.083 (2,11)	0.903 (22.94)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5382C	2	0.032 (0,81)	0.230 (5.84)
5382/1C	2	0.032 (0,81)	0.230 (5.84)
5383C	3	0.032 (0,81)	0.242 (6.15)
5383/1C	3	0.032 (0,81)	0.242 (6.15)
5384C	4	0.032 (0,81)	0.263 (6.68)
5386C	6	0.032 (0,81)	0.311 (7.90)
5388C	8	0.032 (0,81)	0.336 (8.53)
5390C	10	0.032 (0,81)	0.388 (9.86)
5390/15C	15	0.032 (0,81)	0.437 (11.10)
5390/20C	20	0.032 (0,81)	0.488 (12.40)
5390/25C	25	0.053 (1,35)	0.588 (14.94)
5390/30C	30	0.053 (1,35)	0.621 (15.77)
5390/40C	40	0.053 (1,35)	0.692 (17.58)
5390/50C	50	0.053 (1,35)	0.762 (19.35)
5390/60C	60	0.083 (2,11)	0.885 (22.48)

XTRA-GUARD® 1 Multiconductor, Foil Shield, UL Type CM, AWM 2343

Xtreme performances in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C CM & CMG. Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Shield is aluminum/polyester foil facing in with stranded tinned copper drain wire. Jacket is premium PVC. Jacket thickness is 0.063 inches (1.60mm).

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5599/3C	3	0.229 (5.82)
5599/5C	5	0.254 (6.45)
5599/7C	7	0.267 (6.78)
5599/12C	12	0.317 (8.05)
5599/15C	15	0.337 (8.56)
5599/19C	19	0.354 (8.99)
5599/27C	27	0.405 (10.29)



Wire & Cable - Multiconductor



XTRA-GUARD® 1 Multiconductor, Foil Shield, UL Type CM, AWM 2343 (cont.)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5580/2C	2	0.234 (5.94)
5580C	5	0.270 (6.86)
5581C	7	0.285 (7.24)
5582C	12	0.342 (8.69)
5583C	15	0.365 (9.27)
5584C	19	0.384 (9.75)
5586C	37	0.484 (12.29)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5560/2C	2	0.250 (6.35)
5560/3C	3	0.259 (6.58)
5560/4C	4	0.275 (6.98)
5560C	5	0.292 (7.42)
5561C	7	0.309 (7.85)
5562C	12	0.375 (9.52)
5563C	15	0.402 (10.21)
5564C	19	0.424 (10.77)

XTRA-GUARD® 1 Multiconductor, Suprashield®, UL AWM 2501

CSA AWM I A/B II A/B FT4. RoHS Compliant.

Xtreme performance in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C. Voltage rating is 600. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. SUPRASHIELD: aluminum/polyester/aluminum foil with stranded tinned copper drain wire equal in size to insulated conductors of cable plus 70% overall braid of tinned copper. Jacket is premium PVC.

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5504	4	0.063 (1,60)	0.386 (9.80)
5507	7	0.063 (1,60)	0.442 (11.23)
5509/12	12	0.063 (1,60)	0.549 (13.94)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5514	4	0.063 (1,60)	0.405 (10.29)
5515	5	0.063 (1,60)	0.435 (11.05)
5517	7	0.063 (1,60)	0.466 (11.84)
5519	9	0.063 (1,60)	0.531 (13.49)
5519/12	12	0.063 (1,60)	0.582 (14.78)
5519/19	19	0.063 (1,60)	0.675 (17.14)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5522	2	0.063 (1,60)	0.380 (9.65)
5523	3	0.063 (1,60)	0.397 (10.08)
5524	4	0.063 (1,60)	0.427 (10.85)
5525	5	0.063 (1,60)	0.460 (11.68)
5527	7	0.063 (1,60)	0.494 (12.55)
5529	9	0.063 (1,60)	0.563 (14.30)
5529/12	12	0.063 (1,60)	0.619 (15.72)



XTRA-GUARD® 1 Multiconductor, Suprashield®, UL AWM 2501 (cont.)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5529/15	15	0.063 (1,60)	0.677 (17.20)
5529/19	19	0.083 (2,11)	0.760 (19.30)

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5532	2	0.063 (1,60)	0.404 (10.26)
5533	3	0.063 (1,60)	0.423 (10.74)
5534	4	0.063 (1,60)	0.456 (11.58)
5535	5	0.063 (1,60)	0.492 (12.50)
5537	7	0.063 (1,60)	0.530 (13.46)
5539	9	0.063 (1,60)	0.607 (15.42)
5539/12	12	0.063 (1,60)	0.675 (17.14)
5539/15	15	0.083 (2,11)	0.772 (19.61)
5539/19	19	0.083 (2,11)	0.820 (20.83)

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5542	2	0.063 (1,60)	0.434 (11.02)
5543	3	0.063 (1,60)	0.456 (11.58)
5544	4	0.063 (1,60)	0.492 (12.50)
5547	7	0.063 (1,60)	0.575 (14.60)
5549	9	0.063 (1,60)	0.6680 (16.97)
5549/12	12	0.083 (2,11)	0.777 (19.74)
5549/15	15	0.083 (2,11)	0.841 (21.36)

XTRA-GUARD® 1 Multiconductor, Suprashield®, UL Type CM, AWM 2464

CSA PCC FT4. RoHS Compliant. Xtreme performance in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C CM & CMG. Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. SUPRASHIELD: aluminum/polyester/aluminum foil with stranded tinned copper drain wire equal in size to insulated conductors of cable plus 70% overall braid of tinned copper. Jacket is premium PVC.

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5112C	2	0.032 (0,81)	0.184 (4.67)
5113C	3	0.032 (0,81)	0.191 (4.85)
5114C	4	0.032 (0,81)	0.203 (5.16)
5116C	6	0.032 (0,81)	0.229 (5.82)
5118C	8	0.032 (0,81)	0.243 (6.17)
5120C	10	0.032 (0,81)	0.272 (6.91)
5120/15C	15	0.032 (0,81)	0.299 (7.59)
5120/20C	20	0.032 (0,81)	0.328 (8.33)
5120/25C	25	0.032 (0,81)	0.360 (9.14)
5120/30C	30	0.032 (0,81)	0.378 (9.60)
5120/40C	40	0.032 (0,81)	0.418 (10.62)
5120/50C	50	0.032 (0,81)	0.457 (11.61)



Wire & Cable - Multiconductor



XTRA-GUARD® 1 Multiconductor, Suprashield®, UL Type CM, AWM 2464 (cont.)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5102C	2	0.032 (0,81)	0.196 (4.98)
5103C	3	0.032 (0,81)	0.204 (5.18)
5104C	4	0.032 (0,81)	0.217 (5.51)
5106C	6	0.032 (0,81)	0.247 (6.27)
5108C	8	0.032 (0,81)	0.263 (6.68)
5110C	10	0.032 (0,81)	0.296 (7.52)
5110/15C	15	0.032 (0,81)	0.327 (8.31)
5110/20C	20	0.032 (0,81)	0.359 (9.12)
5110/25C	25	0.032 (0,81)	0.396 (10.06)
5110/30C	30	0.032 (0,81)	0.417 (10.59)
5110/40C	40	0.032 (0,81)	0.462 (11.73)
5110/50C	50	0.032 (0,81)	0.506 (12.85)
5110/60C	60	0.053 (1,35)	0.588 (14.94)
5110/70C	70	0.053 (1,35)	0.630 (16.00)
5110/80C	80	0.053 (1,35)	0.665 (16.89)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5152C	2	0.032 (0,81)	0.236 (5.99)
5153C	3	0.032 (0,81)	0.247 (6.27)
5154C	4	0.032 (0,81)	0.266 (6.76)
5156C	6	0.032 (0,81)	0.308 (7.82)
5158C	8	0.032 (0,81)	0.330 (8.38)
5160C	10	0.032 (0,81)	0.376 (9.55)
5160/15C	15	0.032 (0,81)	0.419 (10.64)
5160/20C	20	0.032 (0,81)	0.465 (11.81)
5160/25C	25	0.032 (0,81)	0.516 (13.11)
5160/30C	30	0.032 (0,81)	0.545 (13.84)
5160/40C	40	0.053 (1,35)	0.656 (16.66)
5160/50C	50	0.053 (1,35)	0.718 (18.24)
5160/60C	60	0.053 (1,35)	0.774 (19.66)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5162C	2	0.032 (0,81)	0.254 (6.45)
5162/1C	2	0.032 (0,81)	0.254 (6.45)
5163C	3	0.032 (0,81)	0.266 (6.76)
5163/1C	3	0.032 (0,81)	0.266 (6.76)
5164C	4	0.032 (0,81)	0.287 (7.29)
5166C	6	0.032 (0,81)	0.335 (8.51)
5170C	10	0.032 (0,81)	0.412 (10.46)
5170/15C	15	0.032 (0,81)	0.461 (11.71)
5170/20C	20	0.032 (0,81)	0.512 (13.00)
5170/25C	25	0.053 (1,35)	0.612 (15.54)
5170/30C	30	0.053 (1,35)	0.651 (16.54)
5170/40C	40	0.053 (1,35)	0.722 (18.34)



XTRA-GUARD® 1 Multiconductor, Suprashield®, UL Type CM, AWM 2464 (cont.)

16 AWG (1,23mm²), 19/0.0117 (19x0,19mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5172C	2	0.032 (0,81)	0.278 (7.06)
5172/1C	2	0.032 (0,81)	0.278 (7.06)
5173C	3	0.032 (0,81)	0.292 (7.42)
5173/1C	3	0.032 (0,81)	0.292 (7.42)
5174C	4	0.032 (0,81)	0.316 (8.03)
5176C	6	0.032 (0,81)	0.371 (9.42)
5178C	8	0.032 (0,81)	0.400 (10.16)
5180C	10	0.032 (0,81)	0.460 (11.68)
5180/15C	15	0.032 (0,81)	0.516 (13.11)
5180/20C	20	0.053 (1,35)	0.617 (15.67)
5180/25C	25	0.053 (1,35)	0.690 (17.53)

XTRA-GUARD® 1 Multiconductor, Unshielded, UL AWM 2501

CSA AWM I A/B II A/B FT. RoHS Compliant. Xtreme performance in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C. Voltage rating is 600. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Jacket thickness in inches (mm) is 0.063 (1,60).



22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5402	2	0.318 (8.08)
5404	4	0.358 (9.09)
5405	5	0.385 (9.78)
5407	7	0.414 (10.52)
5409	9	0.473 (12.01)
5409/19	19	0.601 (15.27)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5413	3	0.350 (8.89)
5414	4	0.377 (9.58)
5419	9	0.503 (12.78)
5419/12	12	0.554 (14.07)
5419/15	15	0.601 (15.27)
5419/19	19	0.641 (16.28)
5419/25	25	0.742 (18.85)

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5422	2	0.352 (8.94)
5423	3	0.369 (9.37)
5424	4	0.399 (10.13)
5425	5	0.432 (10.97)
5427	7	0.466 (11.84)
5429	9	0.535 (13.59)
5429/15	15	0.643 (16.33)
5429/19	19	0.686 (17.42)
5429/25	25	0.796 (20.22)

Wire & Cable - Multiconductor



XTRA-GUARD® 1 Multiconductor, Unshielded, UL AWM 2501 (cont.)

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5434	4	0.428 (10.87)
5435	5	0.464 (11.79)
5437	7	0.502 (12.75)
5439	9	0.579 (14.71)
5439/12	12	0.641 (16.28)
5439/15	15	0.698 (17.73)
5439/19	19	0.746 (18.95)
5439/25	25	0.908 (23.06)

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5442	2	0.406 (10.31)
5443	3	0.428 (10.87)
5444	4	0.464 (11.79)
5445	5	0.505 (12.83)
5447	7	0.547 (13.89)
5449	9	0.634 (16.10)
5449/12	12	0.703 (17.86)
5449/15	15	0.767 (19.48)
5449/25	25	0.998 (25.35)

XTRA-GUARD® 1 Multiconductor, Unshielded, UL Type CM, AWM 2343

CSA PCC FT4. RoHS Compliant. Xtreme performance in critical, high technology electronic signal applications. Operating temperature is -20°C to 105°C CM & CMG. Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Jacket is premium PVC. Jacket thickness in inches (mm) is 0.063 (1,60).

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5201C	7	0.263 (6.68)
5202C	12	0.313 (7.95)
5203C	15	0.333 (8.46)
5204C	19	0.350 (8.89)
5206C	37	0.438 (11.13)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5210/2C	2	0.230 (5.84)
5211C	7	0.281 (7.14)
5212C	12	0.338 (8.59)
5213C	15	0.361 (9.17)
5214C	19	0.380 (9.65)
5214/25C	25	0.430 (10.92)
5215C	27	0.438 (11.13)
5216C	37	0.480 (12.19)



XTRA-GUARD® 1 Multiconductor, Unshielded, UL Type CM, AWM 2343 (cont.)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5220/2C	2	0.246 (6.25)
5220C	5	0.288 (7.32)
5221C	7	0.305 (7.75)
5222C	12	0.371 (9.42)
5223C	15	0.398 (10.11)
5224C	19	0.420 (10.67)
5224/25C	25	0.478 (12.14)
5225C	27	0.487 (12.37)
5226C	37	0.536 (13.61)

XTRA-GUARD® High-Flex Control Cables, UL AWM Style 2587

CSA AWM I A/B II A/B/ FT1. RoHS Compliant. Xtreme performance in single axis, high-to-severe duty, continuous rolling or bending flexing environments up to 14 million flex life cycles. Operating temperature is -5°C to 90°C (flexing), -40°C to 90°C (stationary). Voltage rating is 600. Conductor is super finely stranded bare copper. Insulation is lubricated PVC. Fillers: non-wicking, solid PVC rod. Wrap: non-wicking fabric. Jacket is oil resistant PVC.

20 AWG (0,5mm²), 65/38 (65/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85003CY	3	0.035 (0,89)	0.350 (8.89)
85004CY	4	0.035 (0,89)	0.375 (9.52)
85005CY	5	0.040 (1,02)	0.411 (10.44)
85007CY	7	0.040 (1,00)	0.482 (12.24)
85010CY	10	0.040 (1,00)	0.545 (13.84)
85012CY	12	0.050 (1,30)	0.564 (14.33)
85018CY	18	0.060 (1,50)	0.662 (16.81)
85025CY	25	0.070 (1,80)	0.812 (20.62)

18 AWG (1,0mm²), 105/38 (105/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85803CY	3	0.035 (0,89)	0.376 (9.55)
85804CY	4	0.040 (1,00)	0.414 (10.52)
85805CY	5	0.040 (1,00)	0.453 (11.51)
85807CY	7	0.050 (1,30)	0.532 (13.51)
85812CY	12	0.060 (1,50)	0.634 (16.10)
85818CY	18	0.060 (1,50)	0.725 (18.42)
85825CY	25	0.080 (2,00)	0.908 (23.06)

16 AWG (1,5mm²), 168/38 (168/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85603CY	3	0.035 (0,89)	0.419 (10.64)
85604CY	4	0.040 (1,00)	0.460 (11.68)
85605CY	5	0.040 (1,00)	0.500 (12.70)
85607CY	7	0.055 (1,40)	0.602 (15.29)
85612CY	12	0.060 (1,52)	0.700 (17.78)
85615CY	15	0.060 (1,52)	0.769 (19.53)
85618CY	18	0.060 (1,52)	0.805 (20.45)
85625CY	25	0.065 (1,65)	0.973 (24.71)
85634CY	34	0.085 (2.16)	1.087 (27.61)



Wire & Cable - Multiconductor



XTRA-GUARD® High-Flex Control Cables, UL AWM Style 2587 (cont.)

14 AWG (2,5mm²), 266/38 (266/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85404CY	4	0.050 (1,27)	0.528 (13.41)
85407CY	7	0.065 (1,65)	0.676 (17.17)

12 AWG (4,0mm²), 413/38 (413/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85204CY	4	0.075 (1,90)	0.641 (16.28)
85207CY	7	0.100 (2,54)	0.836 (21.23)

10 AWG (6,0mm²), 658/38 (658/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85104CY	4	0.070 (1,78)	0.707 (17.96)
85107CY	7	0.100 (2,54)	0.947 (24.05)

XTRA-GUARD® Flexible Cables, Multiconductor, Unshielded, UL AWM Style 2587

CSA AWM I A/B II A/B FT1. RoHS Compliant.

Xtreme performances in single axis, high-to-severe duty, continuous rolling or bending flexing environments up to 14 million flex life cycles. Operating temperature is -5°C to 90°C (flexing), -40°C to 90°C (stationary). Voltage rating is 600. Conductor is super finely stranded bare copper. Insulation is lubricated PVC. Fillers: non-wicking, solid PVC rod. Wrap: non-wicking fabric. Jacket is oil resistant PVC.



20 AWG (0,5mm²), 65/38 (65/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85003	3	0.035 (0,89)	0.272 (6.91)
85004	4	0.035 (0,89)	0.297 (7.54)
85005	5	0.035 (0,89)	0.323 (8.20)
85007	7	0.040 (1,02)	0.388 (9.86)
85012	12	0.045 (1,14)	0.460 (11.68)
85018	18	0.050 (1,27)	0.548 (13.92)
85025	25	0.065 (1,65)	0.691 (17.55)
85034	34	0.065 (1,65)	0.746 (18.95)

18 AWG (1,0mm²), 105/38 (105/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85803	3	0.035 (0,89)	0.296 (7.57)
85804	4	0.035 (0,89)	0.326 (8.28)
85805	5	0.035 (0,89)	0.355 (9.02)
85807	7	0.045 (1,10)	0.438 (11.13)
85812	12	0.050 (1,30)	0.520 (13.21)
85815	15	0.050 (1,27)	0.577 (14.66)
85818	18	0.065 (1,65)	0.608 (15.44)
85825	25	0.065 (1,65)	0.767 (19.48)
85834	34	0.065 (1,65)	0.830 (21.08)



XTRA-GUARD® Flexible Cables, Multiconductor, Unshielded, UL AWM Style 2587 (cont.)

16 AWG (1,5mm²), 168/38 (168/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85603	3	0.035 (0,89)	0.331 (8.41)
85604	4	0.035 (0,89)	0.362 (9.19)
85605	5	0.035 (0,89)	0.396 (10.06)
85607	7	0.040 (1,02)	0.478 (12.14)
85612	12	0.045 (1,14)	0.573 (14.55)
85618	18	0.045 (1,14)	0.674 (17.12)
85625	25	0.065 (1,65)	0.862 (21.89)
85634	34	0.065 (1,65)	0.936 (23.77)
85650	50	0.085 (2.16)	1.161 (29.49)

14 AWG (2,5mm²), 266/38 (266/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85404	4	0.050 (1,27)	0.424 (10.77)
85407	7	0.070 (1,78)	0.582 (14.78)

12 AWG (4,0mm²), 413/38 (413/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85204	4	0.070 (1,78)	0.527 (13.39)
85207	7	0.100 (2,54)	0.729 (18.52)

10 AWG (6,0mm²), 658/38 (658/0,10mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
85104	4	0.070 (1,78)	0.590 (14.99)
85107	7	0.100 (2,54)	0.816 (20.73)

XTRA-GUARD® Flexible Cables, Multiconductor, Shielded, UL AWM Style 2661

CSA AWM II A/B FT4. RoHS Compliant. Xtreme performance in single axis, high-flex duty, continuous rolling or bending flexing environments up to 6 million flex life cycles. Operating temperature is -5°C to 105°C (flexing), -10°C to 105°C (stationary). Voltage rating is 300. Conductor is super finely stranded tinned copper. Insulation is lubricated semi-rigid PVC. Drain wire is 26 AWG, 7/34 stranded tinned copper. Shielding is foil and 90% tinned copper serve. Jacket is oil resistant PVC.



28 AWG (0,9mm²), 7/36 (7/0,13mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86002CY	2	0.040 (1,02)	0.174 (4.42)
86003CY	3	0.040 (1,02)	0.180 (4.57)
86004CY	4	0.040 (1,02)	0.190 (4.83)
86005CY	5	0.040 (1,02)	0.200 (5.08)
86007CY	7	0.040 (1,02)	0.223 (5.66)
86012CY	12	0.040 (1,02)	0.283 (7.19)
86018CY	18	0.040 (1,02)	0.282 (7.16)
86025CY	25	0.040 (1,02)	0.329 (8.36)

Wire & Cable - Multiconductor



XTRA-GUARD® Flexible Cables, Multiconductor, Shielded, UL AWM Style 2661 (cont.)

26 AWG (0,14mm²), 7/34 (7/0,16mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86102CY	2	0.040 (1,02)	0.182 (4.62)
86103CY	3	0.040 (1,02)	0.188 (4.78)
86104CY	4	0.040 (1,02)	0.199 (5.05)
86105CY	5	0.040 (1,02)	0.211 (5.36)
86107CY	7	0.040 (1,02)	0.237 (6.02)
86112CY	12	0.040 (1,02)	0.303 (7.70)
86118CY	18	0.040 (1,02)	0.302 (7.67)
86125CY	25	0.040 (1,02)	0.355 (9.02)

24 AWG (0,23mm²), 10/34 (10/0,16mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86202CY	2	0.040 (1,02)	0.192 (4.88)
86203CY	3	0.040 (1,02)	0.199 (5.05)
86204CY	4	0.040 (1,02)	0.211 (5.36)
86205CY	5	0.040 (1,02)	0.225 (5.72)
86207CY	7	0.040 (1,02)	0.253 (6.43)
86210CY	10	0.040 (1,02)	0.298 (7.57)
86212CY	12	0.040 (1,02)	0.327 (8.31)
86218CY	18	0.040 (1,02)	0.327 (8.31)
86225CY	25	0.045 (1,14)	0.396 (10.06)

22 AWG (0,38mm²), 19/34 (19/0,16mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86302CY	2	0.040 (1,02)	0.208 (5.28)
86303CY	3	0.040 (1,02)	0.217 (5.51)
86304CY	4	0.040 (1,02)	0.231 (5.87)
86307CY	4	0.040 (1,02)	0.280 (7.11)
86305CY	5	0.040 (1,02)	0.247 (6.27)
86312CY	12	0.040 (1,02)	0.367 (9.32)
86318CY	18	0.040 (1,02)	0.367 (9.32)
86325CY	25	0.045 (1,14)	0.446 (11.33)

XTRA-GUARD® Flexible Shielded Torsion Cable, UL AWM Style 20234

RoHS Compliant. Xtreme performance in multi-axis, torsional flexing applications up to 360 from neutral position. Operating temperature is -10°C to 80°C (flexing), -30°C to 80°C (stationary). Voltage rating is 600. Conductor is stranded bare copper. Insulation is thermoplastic elastomer. Shielding is tinned copper spiral 90% coverage. Minimum bend radius: 10X OD (static), 15X OD (dynamic). Maximum twisting is ±360° per meter. Jacket is oil resistant polyurethane.

24 AWG (0,24mm²), 7/32 (7/0,2mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87003CY	3	0.050 (1,27)	0.246 (6.25)
87004CY	4	0.050 (1,27)	0.261 (6.63)
87005CY	5	0.050 (1,27)	0.278 (7.06)
87007CY	7	0.050 (1,27)	0.313 (7.98)



XTRA-GUARD® Flexible Shielded Torsion Cable, UL AWM Style 20234 (cont.)

22 AWG (0,34mm²), 19/34 (19/0,16mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87103CY	3	0.050 (1,27)	0.263 (6.68)
87105CY	5	0.050 (1,27)	0.300 (7.62)
87107CY	7	0.050 (1,27)	0.340 (8.64)

20 AWG (0,5mm²), 19/32 (19/0,2mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87203CY	3	0.050 (1,27)	0.281 (7.14)
87204CY	4	0.050 (1,27)	0.300 (7.62)
87205CY	5	0.050 (1,27)	0.321 (8.15)

18 AWG (0,96mm²), 19/30 (19/0,25mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87303CY	3	0.050 (1,27)	0.302 (7.67)
87304CY	4	0.050 (1,27)	0.324 (8.23)
87305CY	5	0.050 (1,27)	0.348 (8.84)
87307CY	7	0.050 (1,27)	0.399 (10.13)

16 AWG (1,32mm²), 19/0.0117 (19/0,29mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87403CY	3	0.050 (1,27)	0.321 (8.15)
87405CY	5	0.050 (1,27)	0.373 (9.47)
87407CY	7	0.050 (1,27)	0.429 (10.90)

14 AWG (2,1mm²), 41/30 (41/0,25mm), Insulation Thickness: 0.025" (0,64mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87503CY	3	0.050 (1,27)	0.401 (10.19)
87504CY	4	0.050 (1,27)	0.436 (11.07)
87505CY	5	0.050 (1,27)	0.474 (12.07)

12 AWG (3,3mm²), 19/0.0185 (19/0,47mm), Insulation Thickness: 0.025" (0,64mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87603CY	3	0.060 (1,52)	0.463 (11.78)
87604CY	4	0.060 (1,52)	0.502 (12.75)
87605CY	5	0.060 (1,52)	0.545 (13.84)
87607CY	7	0.060 (1,52)	0.637 (16.18)

10 AWG (4,74mm²), 37/0.0169 (37/0,43mm), Insulation Thickness: 0.025" (0,64mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87703CY	3	0.060 (1,52)	0.527 (13.39)
87704CY	4	0.060 (1,52)	0.574 (14.58)
87705CY	5	0.070 (1,78)	0.646 (16.41)
87707CY	7	0.070 (1,78)	0.756 (19.20)



Wire & Cable - Multiconductor



XTRA-GUARD® Flexible Multiconductor Unshielded Torsion Cable, UL AWM Style 20234

RoHS Compliant. Xtreme performance in multi-axis, torsional flexing applications up to 360 from neutral position. Operating temperature is -10°C to 80°C (flexing), -30°C to 80°C (stationary). Voltage rating is 600. Conductor is stranded bare copper. Insulation is thermoplastic elastomer. Minimum bend radius is 10X OD (static), 15X OD (dynamic). Maximum twisting is ±360°C per meter. Jacket is oil resistant polyurethane.



24 AWG (0,24mm²), 7/32 (7/0,2mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87003	3	0.050 (1,27)	0.227 (5.77)
87004	4	0.050 (1,27)	0.242 (6.15)
87005	5	0.050 (1,27)	0.259 (6.58)
87007	7	0.050 (1,27)	0.294 (7.47)

22 AWG (0,34mm²), 19/34 (19/0,16mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87103	3	0.050 (1,27)	0.244 (6.20)
87104	4	0.050 (1,27)	0.261 (6.63)
87105	5	0.050 (1,27)	0.281 (7.14)
87107	7	0.050 (1,27)	0.321 (8.15)

20 AWG (0,5mm²), 19/32 (19/0,2mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87203	3	0.050 (1,27)	0.262 (6.65)
87204	4	0.053 (1,27)	0.281 (7.14)
87205	5	0.053 (1,27)	0.302 (7.67)
87207	7	0.053 (1,27)	0.347 (8.81)

XTRA-GUARD® Flexible Multiconductor Unshielded Torsion Cable, UL AWM Style 20234

18 AWG (0,96mm²), 19/30 (19/0,25mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87303	3	0.050 (1,24)	0.283 (7.19)
87304	4	0.050 (1,27)	0.305 (7.75)
87305	5	0.050 (1,27)	0.329 (8.36)
87307	7	0.050 (1,27)	0.380 (9.65)

16 AWG (1,32mm²), 19/0.0117 (19/0,29mm), Insulation Thickness: 0.015" (0,4mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87403	3	0.050 (1,27)	0.300 (7.67)
87404	4	0.050 (1,27)	0.327 (8.31)
87405	5	0.050 (1,27)	0.354 (8.99)
87407	7	0.050 (1,27)	0.410 (10.41)



XTRA-GUARD® Flexible Multiconductor Unshielded Torsion Cable, UL AWM Style 20234 (cont.)

14 AWG (2,1mm²), 41/30 (41/0,25mm), Insulation Thickness: 0.025" (0,64mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87503	3	0.050 (1,27)	0.382 (9.70)
87504	4	0.050 (1,27)	0.417 (10.59)
87505	5	0.050 (1,27)	0.455 (11.56)
87507	7	0.050 (1,27)	0.535 (13.59)

12 AWG (3,3mm²), 19/0.0185 (19/0,47mm), Insulation Thickness: 0.025" (0,64mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87603	3	0.060 (1,52)	0.444 (11.28)
87604	4	0.060 (1,52)	0.483 (12.27)
87605	5	0.060 (1,52)	0.526 (13.36)
87607	7	0.060 (1,52)	0.618 (15.70)

10 AWG (4,74mm²), 37/0.0169 (37/0,43mm), Insulation Thickness: 0.025" (0,64mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
87703	3	0.060 (1,52)	0.508 (12.90)
87704	4	0.060 (1,52)	0.555 (14.10)
87705	5	0.070 (1,78)	0.627 (15.93)
87707	7	0.070 (1,78)	0.737 (18.72)

XTRA-GUARD® Standard Flex Control Cables, UL AWM Style 2587

CSA AWM I A/B II A/B FT1. RoHS Compliant. Operating temperature is -5°C to 90°C (flexing), -40°C to 90°C (stationary). Voltage rating is 600. Conductor is finely stranded bare copper. Insulation is lubricated PVC. Fillers: non-wicking, solid PVC rod. Jacket is oil resistant PVC.



20 AWG (0,50mm²), 10/30 (10/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65003CY	3	0.035 (0,89)	0.339 (8.61)
65007CY	7	0.035 (0,89)	0.409 (10.39)
65012CY	12	0.040 (1,02)	0.521 (13.23)
65025CY	25	0.050 (1,27)	0.712 (18.08)

18 AWG (1,0mm²), 16/30 (16/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65803CY	3	0.035 (0,89)	0.360 (9.75)
65804CY	4	0.035 (0,89)	0.384 (9.14)
65805CY	5	0.035 (0,89)	0.414 (10.52)
65807CY	7	0.035 (0,89)	0.439 (11.15)
65812CY	12	0.045 (1,10)	0.568 (14.43)
65818CY	18	0.053 (1,40)	0.671 (17.04)
65825CY	25	0.053 (1,40)	0.776 (19.71)

Wire & Cable - Multiconductor



XTRA-GUARD® Standard Flex Control Cables, UL AWM Style 2587 (cont.)

16 AWG (1,5mm²), 26/30 (26/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65603CY	3	0.035 (0,89)	0.388 (9.86)
65604CY	4	0.035 (0,89)	0.416 (10.57)
65605CY	5	0.035 (0,89)	0.449 (11.40)
65607CY	7	0.035 (0,89)	0.484 (12.29)
65612CY	12	0.050 (1,30)	0.640 (16.26)
65618CY	18	0.060 (1,50)	0.767 (19.48)
65625CY	25	0.065 (1,70)	0.901 (22.89)

14 AWG (2,5mm²), 41/30 (41/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65403CY	3	0.042 (1.07)	0.443 (11.25)
65404CY	4	0.047 (1.19)	0.486 (12.34)
65405CY	5	0.052 (1.32)	0.537 (13.64)
65407CY	7	0.057 (1.45)	0.581 (14.76)
65412CY	12	0.062 (1.57)	0.732 (18.59)
65418CY	18	0.083 (2.11)	0.890 (22.61)

12 AWG (4,0mm²), 65/30 (65/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65203CY	3	0.060 (1,52)	0.530 (13.46)
65204CY	4	0.066 (1.68)	0.616 (15.65)
65205CY	5	0.073 (1.85)	0.671 (17.04)

10 AWG (6,0mm²), 105/30 (105/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65103CY	3	0.070 (1,78)	0.630 (16.00)
65104CY	4	0.070 (1,78)	0.684 (17.37)
65105CY	5	0.077 (1.96)	0.757 (19.23)
65107CY	7	0.083 (2.11)	0.823 (20.90)

XTRA-GUARD® Flexible Cables, Multiconductor, Unshielded, UL AWM Style 2587

CSA AWM I A/B II A/B FT1. RoHS Compliant. Operating temperature is -5°C to 90°C (flexing), -40°C to 90°C (stationary). Voltage rating is 600. Conductor is finely stranded bare copper. Insulation is lubricated PVC. Fillers: non-wicking, solid PVC rod. Jacket is oil resistant PVC.



20 AWG (0,50mm²), 10/30 (10/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65002	2	0.035 (0,89)	0.238 (6.05)
65003	3	0.035 (0,89)	0.251 (6.38)
65004	4	0.035 (0,89)	0.272 (6.91)
65005	5	0.035 (0,89)	0.305 (7.75)
65007	7	0.035 (0,89)	0.327 (8.31)
65009	9	0.040 (1,05)	0.416 (10.57)
65012	12	0.045 (1,14)	0.433 (11.00)
65018	18	0.055 (1,40)	0.527 (13.39)
65025	25	0.055 (1,40)	0.615 (15.62)



XTRA-GUARD® Flexible Cables, Multiconductor, Unshielded, UL AWM Style 2587 (cont.)

18 AWG (1,0mm²), 16/30 (16/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65802	2	0.035 (0,89)	0.258 (6.55)
65803	3	0.035 (0,89)	0.272 (6.91)
65804	4	0.035 (0,89)	0.296 (7.52)
65805	5	0.035 (0,89)	0.326 (8.28)
65807	7	0.035 (0,89)	0.351 (8.92)
65809	9	0.035 (0,89)	0.445 (11.30)
65812	12	0.045 (1,10)	0.470 (11.94)
65818	18	0.050 (1,30)	0.567 (14.40)
65825	25	0.050 (1,30)	0.666 (16.92)
65834	34	0.060 (1,50)	0.769 (19.53)
65841	41	0.063 (1,60)	0.305 (21.21)
65850	50	0.083 (2.11)	0.940 (23.88)

16 AWG (1,5mm²), 26/30 (26/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65602	2	0.035 (0,89)	0.284 (7.21)
65603	3	0.035 (0,89)	0.300 (7.62)
65604	4	0.035 (0,89)	0.328 (8.33)
65605	5	0.035 (0,89)	0.361 (9.17)
65607	7	0.035 (0,89)	0.390 (9.91)
65609	9	0.041 (1.04)	0.509 (12.93)
65612	12	0.049 (1.24)	0.536 (13.61)
65618	18	0.050 (1,27)	0.632 (16.05)
65625	25	0.055 (1,40)	0.756 (19.20)
65641	41	0.075 (1,90)	0.959 (24.36)

14 AWG (2,5mm²), 41/30 (41/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65402	2	0.044 (1.12)	0.330 (8.38)
65403	3	0.045 (1,14)	0.351 (8.92)
65404	4	0.055 (1,40)	0.404 (10.26)
65405	5	0.055 (1,40)	0.439 (11.15)
65407	7	0.058 (1.47)	0.479 (12.17)
65409	9	0.063 (1.60)	0.609 (15.47)
65412	12	0.085 (2,16)	0.667 (16.94)
65418	18	0.090 (2,29)	0.783 (19.89)
65425	25	0.110 (2,79)	0.953 (24.21)

12 AWG (4,0mm²), 65/30 (65/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65203	3	0.067 (1.70)	0.436 (11.07)
65204	4	0.080 (2.03)	0.500 (12.70)
65205	5	0.086 (2.18)	0.553 (14.05)



Wire & Cable - Multiconductor



XTRA-GUARD® Flexible Cables, Multiconductor, Unshielded, UL AWM Style 2587 (cont.)

10 AWG (6,0mm²), 105/30 (105/0,25mm), Insulation Thickness: 0.022" (0,56mm)

Part #	No. of Cond.	Jacket Thickness in (mm)	Nom. Diameter in (mm)
65103	3	0.080 (2,03)	0.516 (13.11)
65104	4	0.084 (2.13)	0.568 (14.43)
65105	5	0.090 (2,29)	0.629 (15.98)

XTRA-GUARD® 1 Multiconductor, Suprashield®, UL Type CM, AWM 2343

CSA PCC FT4. RoHS Compliant. Operating temperature is -20°C to 105°C CM & CMG. Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. SUPRASHIELD: aluminum/polyester/aluminum foil with stranded tinned copper drain wire equal in size to insulated conductors of cables plus 70% overall braid of tinned copper. Jacket is premium PVC. Jacket thickness in inches (mm) is 0.063 (1,60).

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5300C	5	0.278 (7.06)
5301C	7	0.291 (7.39)
5302C	12	0.341 (8.66)
5303C	15	0.361 (9.17)
5304C	19	0.378 (9.60)
5305C	27	0.429 (10.90)
5306C	37	0.466 (11.84)
5307C	48	0.517 (13.13)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5310C	5	0.294 (7.47)
5311C	7	0.309 (7.85)
5312C	12	0.366 (9.30)
5313C	15	0.389 (9.88)
5314C	19	0.408 (10.36)
5316C	37	0.508 (12.90)
5318C	60	0.608 (15.44)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Cond.	Nom. Diameter in (mm)
5320/4C	4	0.299 (7.59)
5320C	5	0.316 (8.03)
5321C	7	0.333 (8.46)
5322C	12	0.399 (10.13)
5323C	15	0.426 (10.82)
5324C	19	0.448 (11.38)
5325C	27	0.515 (13.08)
5326C	37	0.564 (14.33)

Audio & Sound - Multiconductor Unshielded - Overall

Stranded tinned copper conductor. Color coded PVC insulation. Chrome gray PVC jacket. For unbalanced intercom and sound systems. An interconnecting cable for remote circuit control, telephones and all low voltage circuits.

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M13302	22	2	.025"	.165"	.015"

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M13304	22	4	.032"	.185"	.010"
M13312	22	12	.032"	.272"	.010"
M13412	20	12	.035"	.338"	.013"

Multiconductor Small Diameter Foil Shield - Overall Audio Cable

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M13242	18	2	.028"	.222"	.019"
M13243	18	3	.033"	.246"	.019"
M13244	18	4	.035"	.245"	.010"
M13247	16	2	.032"	.313"	.032"

Audio & Broadcast - Multiconductor Miniature Foil Shield - Overall Audio Cable

Stranded tinned copper conductor. Color coded Polypropylene insulation. Twisted pair. Aluminum/polyester foil shield. Stranded tinned copper drain wire. Jacket is chrome gray PVC. For audio, broadcast and sound systems; also for instrumentation applications. 300 volts. Temperature is 75°C. CM Type. 22 AWG. Color code is black, red.

Part #	No. Cond.	Nom. Jkt Thick.	Nom. O.D.
M4326	2	.020"	.138"

NEED HELP?

If you would like assistance in determining which Multiconductor Wire is correct for your application, our sales representatives will gladly assist you.



Wire & Cable - Paired Cables



Audio, Control and Instrumentation Cables - Paired Unshielded

16 Gage - Stranded Conductors (19 x 29) - PVC Insulated

Tinned copper, PVC insulated, twisted pair. Chrome PVC jacket. Color code is black, white. NEC/CEC Type is CMG/CMG. Std. Lgth ft (m) is U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8).

Part #	No. of Pairs	Insul. Thick. in (mm)	Jacket Thick. in (mm)	Nom. O.D. in (mm)
8471	1	.023 (.58)	.032 (.81)	.274 (6.96)

18 Gage - Stranded Conductors (16 x 30) - PVC Insulated

Tinned copper, PVC insulated, twisted pairs. Chrome PVC jacket.



Part #	No. of Pairs	Std. Lgth ft (m)	Insul. Thick. in (mm)	Jacket Thick. in (mm)	Nom. O.D. in (mm)
9740	1	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.014 (.36)	.032 (.81)	.210 (5.33)

20 Gage - Stranded Conductors (7 x 28) - PVC Insulated

Tinned copper, PVC insulated, twisted pairs. Chrome PVC jacket.

Part #	No. of Pairs	Std. Lgth ft (m)	Insul. Thick. in (mm)	Jacket Thick. in (mm)	Nom. O.D. in (mm)
8205	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.013 (.33)	.025 (.64)	.180 (4.57)

Low Capacitance Computer Cables for EIA RS-232 and EIA-422 Applications - Overall Foil/Braid

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

Datalene® Insulated

24 AWG stranded (7 x 32) TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage) + TC braid shield (65% coverage). Drain wire. UL AWM Style 2919 (30V 80°C). Nom DCR Cond is 24.0 ohm/M' (78.7 ohm/km). Nom imp is 100 ohms. Nom vel of prop is 78%. *Nom. cap is 12.5 pF/Ft (41 pF/m). **Nom. cap is 22 pF/Ft (72.2 pF/m).



Part #	No. of Pairs	Std. Lgth ft (m)	Nom DCR Shield	Nom. OD in (mm)
8102	2	100 (30.5), 500 (152.4), 1000 (304.8), 10000 (3048.0)	4.6 ohm/M' (15.1 ohm/km)	.270 (6.86)
8103	3	100 (30.5), 500 (152.4), 1000 (304.8), 10000 (3048.0)	3.8 ohm/M' (12.5 ohm/km)	.283 (7.19)

Polyethylene Insulated

24 AWG stranded (7 x 32) TC conductors. Twisted pairs. Overall Beldfoil shield (100% coverage) + TC braid shield (65% coverage). TC drain wire. UL AWM Style 2919 (30V 80°C). Nominal DCR Conductor is 24.0 ohm/M' (78.7 ohm/km). Nom. imp is 100 ohms. Nom. vel of prop is 66%. *Nom. cap is 15.5 pF/Ft. (50.9 pF/m). **Nom. cap is 27.5 pF/Ft (90.2 pF/m).



Part #	No. of Pairs	Std. Lgth ft (m)	Nom. D.C.R. Shield	Nom. OD in (mm)
9829	2	100 (30.5), 500 (152.4), 1000 (304.8)	4.4 ohm/M' (14.4 ohm/km)	.291 (7.39)

Low Capacitance Computer Cables for EIA RS-485 Applications - Overall Foil / Braid Shield

Plenum-Rated and Non-Plenum. 24 AWG stranded (7 x 32) TC conductors. Overall Beldfoil (100% coverage) + TC braid shield (90% coverage). 24 AWG stranded TC drain wire. *Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

Polyethylene Insulation - Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C). Nom DCR cond. is 24.0 ohm/M' (78.7 ohm/km). Nom imp is 120 ohms. Nom vel. of prop is 66%. *Nom. cap is 12.8 pF/Ft (42.0 pF/m). **Nom. cap is 23.0 pF/Ft (75.5 pF/m).



Part #	No. of Pairs	Std Lgth ft (m)	Nom. DCR Shield	Nom. OD in (mm)
9841	1	100 (30.5), 500 (152.4), 1000 (304.8)	3.4 ohm/M' (11.0 ohm/km)	.232 (5.89)
9842	2	100 (30.5), 500 (152.4), 1000 (304.8)	2.2 ohm/M' (7.2 ohm/km)	.340 (8.64)

Plenum - Foam FEP Insulation - Natural Flamarrest® Jacket

300V RMS. Nom. DCR cond. is 24.0 ohm/M' (78.7 ohm/km). Nom. imp is 120 ohms. Nom. vel. of prop. is 76%. *Nom. cap is 12 pF/Ft (39.4 pF/m). **Nom. cap is 22 pF/Ft (72.2 pF/m).

Part #	No. Pairs	Std Lgth ft (m)	Nom. DCR Shield	Nom. OD in (mm)
82841	1	500 (152.4), 1000 (304.8)	3.1 ohm/M' (10.2 ohm/km)	.204 (5.18)
82842	2	500 (152.4), 1000 (304.8)	2.4 ohm/M' (7.9 ohm/km)	.273 (6.93)

Plenum - Foam FEP - Red FEP Jacket

300V RMS. Nom. DCR cond. is 24.0 ohm/M' (78.7 ohm/km). Nom. imp is 120 ohms. Nom. vel. of prop. is 76%. *Nom. cap is 12 pF/Ft (39.4 pF/m). **Nom. cap is 22 pF/Ft (72.2 pF/m).

Part #	No. Pairs	Std Lgth ft (m)	Nom. DCR Shield	Nom. OD in (mm)
89841	1	500 (152.4), 1000 (304.8)	3.1 ohm/M' (10.2 ohm/km)	.202 (5.13)



Wire & Cable - Paired Cables



Paired Overall Beldfoil® Shield

Plenum - FEP Insulation - Red Fluorocopolymer Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 22 AWG stranded TC drain wire. 300V RMS. Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
82761	1	U-500(U-152.4), U-1000(U-304.8), 1000(304.8)	.006 (.15)	.014 (.36)	.116 (2.95)	35 (115)	67 (220)

Plenum - FEP Insulation - Red FEP Jacket

18 AWG stranded (19 x 30) TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 20 AWG stranded TC drain wire. 300V RMS. Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap. pF/Ft (pF/m)*	Nom. Cap. pF/Ft (pF/m)**
88760	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000(304.8)	.007 (.18)	.014 (.36)	.150 (3.81)	51 (167)	97 (318)

Polyolefin Insulation - PVC Jacket in Zip-Cord Construction

22 AWG stranded TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 22 AWG stranded TC drain wire. 300V 105°C. PVC jacket in zip-cord construction (red & green, red & black, red & purple or red & gray). Color code is black, red.



Part #	UL NEC, C(UL) CEC Type	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft (pF/m)*
9451D	NEC: CMR CEC CMG: FT4	2	U-1000 (U-304.8), 2000 (620.8)	.008 (.20)	.020 (.51)	.135 x .270 (.343 x 6.86)	67 (220)

Computer Cables for EIA RS-232 Applications - Paired - Overall Beldfoil® Shield



Part #	No. Pairs	Std. Lgth ft (m)	Nom. D.C.R. Cond. M' (km)	Nom. D.C.R. Shield M' (km)	Nom. O.D. in (mm)	Nom. Imp. (ohms)	Nom. Vel. of Prop.
9501	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	24 (78.7)	18 (59.1)	.156 (3.96)	75	60%
9502	2	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 10000 (3048.0)	24 (78.7)	17 (55.8)	.222 (5.64)	75	60%
9503	3	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	24 (78.7)	17 (55.8)	.232 (5.89)	75	60%
9504	4	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	24 (78.7)	17 (55.8)	.265 (6.73)	75	60%
9505	5	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	24 (78.7)	17 (55.8)	.289 (7.34)	75	60%
9506	6	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	24 (78.7)	16 (52.5)	.289 (7.34)	75	60%
9507	7	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.294 (7.47)	75	60%
9508	8	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.324 (8.23)	75	60%
9509	9	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.334 (8.48)	75	60%
9510	10	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.368 (9.34)	75	60%
9515	15	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.417 (10.6)	75	60%
9519	19	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.448 (11.4)	75	60%
9525	25	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	16.5 (54.1)	.503 (12.8)	75	60%
9550	50	100 (30.5), 500 (152.4), 1000 (304.8)	24 (78.7)	15.2 (49.9)	.708 (18.0)	75	60%

Audio, Control, and Instrumentation Cables - Overall Beldfoil® Shield

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

Tinned copper, polypropylene insulated, twisted pair, aluminum-polyester shield. 22 AWG solid tinned copper drain wire. Paper wrap, Gray or black PVC jacket. Miniature Type Broadcast Audio and instrumentation Cables occupy 1/2 to 2/3 less space than standard cables. Suggested working voltage: 300V RMS. Unique paper separator facilitates jacket stripping. Color code: Black, Red.



Part #	UL NEC, C(UL) CEC Type	No. Pairs	Std. Lgth - ft. (m)	Insul Thickness - in (mm)	Jacket Thickness - in (mm)	Nom O.D. - in. (mm)
8451	NEC CM, CEC CM	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U304.8), 1000 (304.8)	.008 (.20)	.020 (.51)	.138 (3.51)



Wire & Cable - Paired Cables



Audio, Control, and Instrumentation Cables - Overall Beldfoil® Shield (cont.)

Tinned copper, polyethylene insulated, twisted pair. Aluminum-polyester shield. AWG stranded tinned copper drain wire. Chrome PVC jacket. Color code: Black, Clear.



Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Std Lgth ft. (m)	Insul Thickness in (mm)	Jacket Thickness in (mm)	Nom. I O.D. in (mm)	Cond. Type	AWG Strand
8762	NEC CM, CEC CM	1	100 (30.5), 250 (76.2), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 2000 (609.6), 10000 (3048.0)	.016 (.41)	.028 (.71)	.204 (5.18)	20 gage stranded cond. (7x28)	20
9154	NEC CMG, CEC CMG	1	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.014 (.36)	.031 (.79)	.198 (5.03)	20 gage stranded cond. (7x28)	20
8760	NEC CM, CEC CM	1	250 (76.2), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 2000 (609.6), 5000 (1524.0), 10000 (3048.0)	.019 (.48)	.028 (.71)	.222 (5.64)	18 gage stranded cond. (16x30)	20
8720	NEC CM, CL2, CEC CM	1	U-500 (U-152.4), 500 (152.4), 1000 (304.8), 2000 (609.6)	.032 (.81)	.035 (.89)	.355 (9.02)	14 gage stranded (19x27) TC conductors	16
8718	NEC CM, CL2, CEC CM	1	U-500 (U-152.4), 500 (152.4), 1000 (304.8), 2000 (609.6)	.037 (.94)	.040 (1.02)	.400 (10.16)	12 gage stranded (19x25) TC conductors	14

22 AWG stranded (7x30) tinned copper conductors. Twisted pair. Overall Beldfoil Shield (100% coverage). 22 AWG stranded TC drain wire.



Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Std. Lgth - ft. (m)	Nom. D.C.R. - Cond.	Nom. D.C.R. - Shield	Nom. O.D. - in. (mm)	Insul.	Color Code
9462	NEC CMG, CEC CMG	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.013 (.33)	.035 (.89)	.186 (4.72)	PVC	Black, Red
8761	NEC, CEC CM	1	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 2000 (609.6), 5000 (1524.0), 10000 (3048.0)	.016 (.41)	.025 (.64)	.175 (4.45)	Polyethylene	Black, Clear

Tinned copper, twisted pair. Aluminum-polyester shield, AWG stranded tinned copper drain wire. PVC jacket in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, and Black. The jacket and shield are bonded so both can be removed with automatic stripping equipment. Drain wire is on the inside of foil shield. Suggested working voltage: 300V RMS. Color code: Black, Red. U-500, 500 and T-1000 is available in Gray only and 1000 comes in black only. UL NEC, C(UL) CEC Type is NEC CM, CEC CM. No. of Pairs is 1.



Part #	Standard Lgth - ft. (m)	Insul Thickness - in (mm)	Jacket Thickness - in (mm)	Nominal O.D. - in (mm)	AWG Strand	Insul.
9451	U-500 (U-152.4), 500 (152.4), T-1000 (T-304.8), U-1000 (U-304.8)	.008 (.20)	.020 (.51)	.135 (3.43)	22	Polypropylene
1266A	U-1000 (U-304.8), 1000 (304.8)	.010 (.25)	.020 (.51)	.145 (3.68)	24	Polypropylene
1503A	U-1000 (304.8)	.010 (.25)	.020 (.51)	.142 (3.61)	24	PVC

Stereo studio cable. Tinned copper, PVC insulated, dual twisted pairs. Aluminum-polyester shields. 24 AWG stranded tinned copper drain wires. Chrome PVC jacket in zip-cord construction with one pair striped for identifications. The jackets and shields are bonded so both can be removed with automatic stripping equipment. Drain wire is on the inside of foil shield. 22 AWG (19x34). Color code: Black, Red.



Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Standard Lengths - ft. (m)	Standard Unit - Lbs. each	Insulation Thickness - in (mm)	Jacket Thickness - in (mm)	Nominal O.D. - in (mm)
1504A	NEC CM, CEC CM	2	U-1000 (U-304.8), 2000 (609.8)	20.3, 40.8	.010 (.25)	.020 (.51)	.143 x 300 (3.63 x 7.62)

24 gage stranded conductors. Tinned copper, polyethylene insulated, twisted pair. Aluminum-polyester shield. 24 AWG stranded tinned copper drain wire, Chrome PVC jacket. The shield combines high cable reliability with ease of termination. 100% shield coverage. Color code: Black, Clear.



Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Standard Lengths - ft. (m)	Standard Unit - Lbs. each	Insulation Thickness - in. (mm)	Jacket Thickness - in. (mm)	Nominal O.D. - in. (mm)
8641	NEC CM, CEC CM	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 2000 (609.6)	1.8, 7.7, 7.4, 14.4, 13.8, 26.1	0.16 (.41)	.025 (.64)	.168 (4.27)



Wire & Cable - Paired Cables



Audio, Control, and Instrumentation Cables - Overall Beldfoil® Shield (cont.)

22 AWG stranded tinned copper drain wire. Tinned copper, PVC insulated, twisted pairs. Overall aluminum-polyester shield. Chrome PVC jacket.

Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Standard Lengths - ft. (m)	Standard Unit - Lbs. each	Insulation Thickness - in (mm)	Jacket Thickness - in (mm)	Nominal O.D. - in (mm)	Nominal Capacitance- pF - ft.,m*
9305	NEC CMG, CEC CMG	4	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	4.8, 22.4, 23.2, 43.8, 43.6	.013 (.33)	.032 (.81)	.265 (6.73)	35 (115)

Tinned copper, polyethylene insulated, twisted pair. Aluminum-polyester shield. 20 AWG stranded tinned copper drain wire. Chrome PVC jacket. The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield. Color code: Black, Clear. 18 gage stranded conductors (16x30).



Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Standard Lengths - ft. (m)	Standard Unit - Lbs. each	Insulation Thickness - in (mm)	Jacket Thickness - in (mm)	Nominal O.D. - in (mm)
9460	NEC CM, CEC CM	1	U-500 (U-152.4), U-1000 (U-304.8)	18.4, 36.4	.019 (.48)	.030 (.76)	.230 (5.84)

22 AWG solid tinned copper drain wire. Tinned copper, polypropylene insulated, twisted pair, aluminum-polyester shield. Gray or black PVC jacket. Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables. Suggested working voltage: 200V RMS. Color code: Black, Red.



Part #	UL NEC C(UL) CEC Type	No. of Pairs	Standard Lengths - ft. (m)	Standard Unit - Lbs. each	Nominal D.C.R. - Cond.	Nominal D.C.R. - Shield	Nominal O.D. - in (mm)
8450	NEC CM, CEC CM	1	U-500 (U-152.4), U-1000 (U-304.8), 1000 (304.8)	6.5, 6.2, 13.5, 13.0	.007 (.18)	.018 (.46)	.118 (3.00)

Datalene® Insulation - Black PVC Jacket

22 AWG solid tinned copper conductors. Twisted pairs. Duofoil® shield (100% coverage). 22 AWG stranded tinned copper drain wire. UL AWM Style 2668 (300V 60°C). Color code is black & yellow, red & blue.

Part #	UL NEC, C(UL) CEC Type	No. of Pairs	Std Lgth ft. (m)	Nom. O.D. in. (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
9184	NEC CM; CEC CM	2	500 (152.4), 1000 (304.8)	.385 (9.78)	8.7 (28.5)	14.1 (46.3)

Paired Overall Beldfoil® Shield

Polyethylene Insulation - Chrome PVC Jacket

16 AWG stranded TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 18 AWG stranded TC drain wire. UL AWM Style 20253 (600V 80°C). Color code is black, clear.

Part #	No. of Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft (pF/m)*	Nom. Cap pF/Ft (pF/m)**
8719	1	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 2000 (609.6), 5000 (1524.0), 10000 (3048.0)	.032 (.81)	.032 (.81)	.313 (7.95)	23 (75)	44 (144)

Polyethylene Insulation - Chrome PVC Jacket

22 AWG tinned copper conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 22 AWG stranded TC drain wire. UL AWM Style 2092 (300V 60°C). Color code is black, clear.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
9461	1	U-500 (U-152.4), U-1000 (U-304.8)	.016 (.41)	.026 (.66)	.180 (4.57)	24 (79)	47 (154)

Plenum - FEP Insulation - Natural Flamarrest® Jacket

18 AWG stranded (19 x 30) TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 20 AWG stranded TC drain wire. 300V RMS. Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap. pF/Ft (pF/m)*	Nom. Cap. pF/Ft (pF/m)**
82760	1	U-500 (U-152.4), U-100 (U-304.8), 1000 (304.8)	.007 (.18)	.014 (.36)	.150 (3.81)	51 (167)	97 (318)



Wire & Cable - Paired Cables



Paired Overall Beldfoil® Shield (cont.)

Plenum - FEP Insulation - Red FEP Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pair. Overall Beldfoil shield (100% coverage). 22 AWG stranded TC drain wire. 300V RMS. Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
88761	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.006 (.15)	.014 (.36)	.119 (3.02)	35 (115)	67 (220)

Paired Overall Spiral Shield

16 Gage, Stranded Conductors (19x29), PVC Insulated

16 AWG stranded tinned copper conductors. Twisted pair. Tinned copper spiral wrapped shield (85% coverage). PVC insulation. Chrome PVC jacket. 300V RMS 60°C. Color code is black, white.



Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
8780	1	500 (152.4), 1000 (304.8)	.023 (.58)	.030 (.76)	.280 (7.11)	57 (187)	98 (322)

18 Gage, Stranded Conductors (7x26), PVC Insulated

18 AWG stranded tinned copper conductors. Twisted pair. Tinned copper spiral wrapped shield (85% coverage). PVC insulation. Chrome PVC jacket. 300V RMS 60°C.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
8790	1	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.022 (.56)	.028 (.71)	.241 (6.12)	53 (174)	92 (302)

22 Gage, Stranded Conductors (7x30), PVC Insulated

22 AWG stranded tinned copper conductors. Twisted pair. Tinned copper spiral wrapped shield (85% coverage). UL AWM Style 2095 (300V 80°C). PVC insulation. Chrome PVC jacket. Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
8737	1	U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.015 (.38)	.025 (.64)	.180 (4.57)	40 (131)	70 (230)

Paired Individually Shielded

Polypropylene Insulation - Chrome PVC Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pairs. Individually shielded with Beldfoil (100% coverage). 22 AWG stranded TC drain wire. UL AWM Style 2919 (30V 80°C). Nom. DCR Cond. is 15.0 ohm/M' (49.2 ohm/km). Nom. DCR Shield is 10.6 ohm/M' (34.8 ohm/km). Nom. Imp is 50 ohms. Nom. Vel. of Prop. is 66%. *Nom. Cap is 30 pF/Ft. (98 pF/m). **Nom Cap is 55 pF/Ft. (180 pF/m).



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
8777	3	100 (30.5), 250 (76.2), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 1640 (499.9), 3280 (999.7), 5000 (1524.0), 10000 (3048.0)	.273 (6.93)
8778	6	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.362 (9.19)
8774	9	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.417 (10.59)
8775	11	100 (30.5), 500 (152.4), 1000 (304.8)	.464 (11.79)
8776	15	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.548 (13.92)
9769	17	100 (30.5), 500 (152.4), 1000 (304.8)	.577 (14.66)
8773	27	100 (30.5), 250 (76.2), 500 (152.4), 1000 (304.8)	.709 (18.00)

Paired Individually Shielded (cont.)

Polypropylene Insulation - Chrome PVC Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pairs. Individually shielded with Beldfoil (100% coverage). 24 AWG stranded TC drain wire. 300V RMS 60°C. Color code is red & black, green & white. Nom. DCR Cond. is 15.0 ohm/M' (49.2 ohm/km). Nom. DCR Shield is 16.6 ohm/M' (54.5 ohm/km). Nom. Imp is 45 ohms. Nom. Vel. of Prop. is 66%. *Nom. Cap is 35 pF/Ft. (115 pF/m). **Nom Cap is 62 pF/Ft. (203 pF/m).



Part #	No. of Pairs	Std Lgth ft (m)	Nom. OD in (mm)
8723	2	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8), 1640 (499.9), U-2000 (U-609.6), 2000 (609.6), 3280 (999.7), 5000 (1524.0), 10000 (3048.0)	.160 (4.06)



Wire & Cable - Paired Cables



Paired Individually Shielded (cont.)

Plenum - FEP Insulation - Natural Flamarrest® Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pairs. Individually shielded with Beldfoil (100% coverage). 22 AWG stranded TC drain wire. 300V RMS. Nom. DCR Cond. is 14.7 ohm/M' (48.2 ohm/km). Nom. DCR Shield is 11.3 ohm/M' (37.1 ohm/km). Nom. Imp is 46 ohms. Nom. Vel. of Prop. is 62%. *Nom. Cap is 35 pF/Ft. (115 pF/m). **Nom Cap is 76 pF/Ft. (249 pF/m).



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
82777	3	U-500 (U-152.4), U-1000 (U-304.8), 1000 (304.8)	.237 (6.02)
82778	6	1000 (304.8)	.314 (7.98)

Plenum - FED Insulation - Natural Flamarrest® Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pairs. Individually shielded with Beldfoil (100% coverage). 24 AWG stranded TC drain wire. 300V RMS 60°C. Color code is red & black, green & white. Nom. DCR Cond. is 14.7 ohm/M' (48.2 ohm/km). Nom. DCR Shield is 16.6 ohm/M' (54.5 ohm/km). Nom. Imp is 36 ohms. Nom. Vel. of Prop. is 62%. *Nom. Cap is 43 pF/Ft. (141 pF/m). **Nom Cap is 75 pF/Ft. (246 pF/m).



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
82723	2	U-500 (U-152.4), U-1000 (U-304.8), 1000 (304.8), U-2000 (U-609.6)	.153 (3.89)

Paired Individually Shielded (cont.)

Plenum - Foam FEP Insulation - Natural Flamarrest® Jacket

24 AWG stranded (7 x 32) TC Conductors. Twisted pairs. Individually shielded with Beldfoil (100% coverage). 24 AWG stranded TC drain wire. 300V RMS. Nom. DCR Cond. is 23.3 ohm/M' (76.4 ohm/km). Nom. DCR Shield is 14.4 ohm/M' (47.2 ohm/km). Nom. Imp. is 100 ohms. Nom. Vel. of Prop. is 76%. *Nom. Cap. is 13.5 pF/Ft. (44 pF/m). **Nom. Cap. is 22.5 pF/Ft. (73.8 pF/m).



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
82729	2	U-1000 (U-304.8), 1000 (304.8)	.255 (6.48)

Datalene® Insulation - Chrome PVC Jacket

24 AWG stranded (7 x 32) TC conductors. Twisted pairs. Individually shielded with Beldfoil (100% coverage). 24 AWG stranded TC drain wire. UL AWM STYLE 2493 (300V 60°C). Nom. DCR Cond. is 24.0 ohm/M' (78.7 ohm/km). Nom. DCR Shield is 15.0 ohm/M' (49.2 ohm/km). Nom. Imp. is 100 ohms. Nom. Vel. of Prop. is 76%. *Nom. Cap. is 12.5 pF/Ft. (41.0 pF/m). **Nom. Cap. is 23.2 pF/Ft. (76.1 pF/m).

Part #	No. Pairs	Std. Lgth ft (m)	Nom. OD in (mm)
9729	2	100 (30.5), 500 (152.4), 1000 (304.8), 10000 (3048.0)	.266 (6.76)

Paired Overall Braid Shield

Tinned copper, PVC insulated, twisted pair. Polyester tape, 22 AWG stranded tinned copper drain wire. Tinned copper braid shield. Black PVC jacket. Color code: Black, Red * Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

Rubber Insulation - Chrome PVC Jacket

Overall braid. 18 AWG stranded (16 x 30) tinned copper conductors. Twisted pair. Separator + TC braid shield (73% coverage). 300V RMS 80°C. Color code is red, white.



Part #	No. of Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
8208	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.022 (.56)	.025 (.64)	.257 (6.53)	46 (151)	77 (253)

PVC Insulation - Black PVC Jacket

Overall braid. 22 AWG stranded (7 x 30) TC conductors. Twisted pair. Polyester tape + TC braid shield (86% coverage). Stranded TC drain wire. UL AWM Style 2095 (300V 80°C). Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
8441	1	100 (30.5), U-500 (U-152.4), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.015 (.38)	.025 (.64)	.210 (5.33)	49 (161)	86 (282)

PVC Insulation - Black PVC Jacket

Overall braid. 22 AWG solid TC conductors. Twisted pair. Polyester tape + TC braid shield (88% coverage). 22 AWG solid TC drain wire. UL AWM Style 2095 (300V 80°C). Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Insul. Thick in (mm)	Jacket Thick in (mm)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*
8437	1	1000 (304.8)	.015 (.38)	.025 (.64)	.200 (5.08)	85 (279)



Wire & Cable - Paired Cables



Multi-Paired, Unshielded

UL 2464, NEC Type MP/CM (UL) c(UL) or CM (UL) c(UL), CSA CMG. Conductor is 22 AWG fully annealed solid tinned copper per ASTM B-33.

Twisted pairs. Insulation is premium grade color coded S-R PVC. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are computers, industrial equipment, data transmission and control circuits. Suitable for EIA RS-232 applications. Suggested voltage rating is 300 volts. Compliances are NEC Article 800 Type CM or CM/MP (UL: 75°C), UL style 2464 (UL: 80°C, 300V) and CSA CMG (CSA: 60°C). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *Capacitance between conductors. Cond. Strand. is solid. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). ROHS compliant.

NEC Type CM

Nom. C-C Cap.* pF/ft is 27.0.

Part #	No. of Pairs	Nominal O.D. - inches (mm)
C6010A	2	0.228 (5.79)
C6014A	3	0.240 (5.79)
C6015A	4	0.258 (6.55)

NEC Type MP/CM

Nom. C-C Cap.* pF/ft is 25.0.

Part #	No. of Pairs	Nominal O.D. - inches (mm)
C4008A	1	0.155 (3.94)

Power-Limited Tray Cable, Foil Shield, UL 2464, NEC Type PLTC, CSA CMG

Conductor is 22 or 18 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded PVC. Shield is 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out. Stranded tinned copper drain wire. Jacket PVC, gray. Temperature range is -20°C to 105°C. Superior temperature characteristics. Robust, highly durable. Sunlight resistant jacket. Nom. insulation thickness in inches (mm) is 0.015 (0.38). ROHS compliant.

Part #	No. of Pairs	AWG Size	Cond. Strand.	Nom. Jacket Thickness - inches (mm)	Nom. O.D. - inches (mm)	Nom. Cap.*pF/ft - A (B)
C0550A	2	22	7/30	0.042 (1.07)	0.294 (7.47)	32.0 (57.6)
C0551A	3	22	7/30	0.042 (1.07)	0.309 (7.85)	29.0 (52.2)
C0552A	4	22	7/30	0.042 (1.07)	0.337 (8.56)	29.0 (52.2)
C0553A	6	22	7/30	0.053 (1.35)	0.418 (10.62)	26.5 (47.7)
C0554A	9	22	7/30	0.053 (1.35)	0.480 (12.19)	26.5 (47.7)
C0561A	3	18	16/30	0.053 (1.35)	0.403 (10.24)	33.5 (60.3)
C0562A	4	18	16/30	0.053 (1.35)	0.440 (11.18)	33.5 (60.3)
C0563A	6	18	16/30	0.053 (1.35)	0.519 (13.18)	30.5 (54.9)
C0564A	9	18	16/30	0.063 (1.60)	0.622 (15.80)	30.5 (54.9)

Power-Limited Tray Cable, Individually Shielded UL 2464, NEC Type PLTC, CSA CMG

Fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded PVC. Pairs are 100% individually shielded with Flexfoil® aluminum/polyester, foil facing in. Stranded tinned copper drain wire each pair. Jacket is PVC, gray. Temperature range is -20°C to 105°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Nom. Insulation thickness is 0.015 in. (0.38mm). ROHS compliant.

Part #	No. Pairs	AWG	Cond. Strand	Nom. O.D in. (mm)
C0584A	2	18	16/30	0.380 (9.65)
C0570A	2	22	7/30	0.327 (8.31)
C0571A	3	22	7/30	0.345 (8.76)
C0572A	4	22	7/30	0.378 (9.60)
C0573A	6	22	7/30	0.469 (11.91)
C0586A	4	18	16/30	0.478 (12.14)
C0587A	6	18	16/30	0.566 (14.38)

Multi-Paired, Foil Shield

UL 2464, NEC Type CM (UL) c(UL), CSA CMG. Conductor is 24 AWG annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded S-R PVC. Shield is 100% Flexfoil® aluminum/polyester. Stranded tinned copper drain wire. Gray PVC jacket. Temp. range is -20°C to 80°C. For EIA RS-232 applications. Voltage rating is 300 volts. Meets FCC Docket 20780. Compliances are NEC Article 800 Type CM (UL: 75°C), UL style 2464 (UL: 80°C, 300V) & CSA CMG (CSA: 60°C). Meets UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels & 500' (152m) spools or reels. Other put-ups available. Cond. Strand is 7/32. Nom. Insul. Thick. in in. (mm) is 0.010 (0.25). Nom. Jacket Thick. in in. (mm) is 0.032 (0.81). Nom. Cap.*pF/ft A (B) is 30.0 (50.0) except C0600 is 40.0 (74.0). ROHS compliant.

Part #	No. of pairs	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft - Cond. (Shld.)
C0600A	1	0.157 (3.99)	26.0 (18.0)
C0601A	2	0.214 (5.44)	26.0 (18.0)
C0602A	3	0.225 (5.72)	26.0 (16.5)
C0603A	4	0.245 (6.23)	26.0 (16.5)
C0604A	5	0.265 (6.73)	26.0 (16.5)
C0605A	6	0.287 (7.29)	26.0 (15.2)
C0607A	8	0.309 (7.85)	26.0 (15.0)
C0608A	9	0.331 (8.41)	26.0 (15.0)
C0612A	25	0.505 (12.84)	26.0 (12.7)

Multi-Paired, Individually Shielded, UL 2835, NEC Type CM (UL) c(UL) CMH

Conductor is 22 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded polypropylene. Individually shielded pairs. 100% Flexfoil® aluminum/polyester, 25% overlap, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 75°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. Conductor stranding is 7/30. ROHS compliant.

NEC Type CM (UL) c(UL) CMH

Nom. insulation thickness is 0.007 in. (0.18mm). Nom. jacket thickness is 0.020 in. (0.51mm). Nom. O.D. is 0.160 in. (4.06mm). Number of pairs is two.

Part # C1352A



Wire & Cable - Paired Cables



Multi-Paired, Individually Shielded, UL 2835, NEC Type CM (UL) c(UL) CMH (cont.)

UL Style 2835, CM (UL) c(UL) CMH

Nom. insulation thickness is 0.010 in. (0.25mm). Nom. jacket thickness is 0.028 in. (0.71mm). Nom. O.D. is 0.208 in. (5.28mm). Individually shielded with overall shield. Number of pairs is two.

Part # C1353A

Multi-Paired, Foil Shield, UL 2464, NEC Type CM (UL) c(UL), CSA CMG

Conductor is 22 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded S-R PVC per UL 1061. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand is 7/30. Nom. insulation thickness in inches (mm) is 0.010 (0.25). Nom. jacket thickness in inches (mm) is 0.032 (0.81). ROHS compliant.

Part #	No. of Pairs	Nom. O.D. - inches (mm)	Nom. DCR ohm/kft - Cond. (Shld.)	Nom. Cap.* pF/ft - A (B)
C0720A	1	0.169 (4.29)	15.0 (18.0)	40.0 (74.0)
C0721A	2	0.234 (5.94)	15.0 (16.5)	40.0 (74.0)
C0722A	3	0.246 (6.25)	15.0 (16.5)	35.0 (63.0)
C0723A	4	0.269 (6.83)	15.0 (16.5)	35.0 (63.0)
C0725A	6	0.317 (8.05)	15.0 (15.2)	35.0 (63.0)
C0728A	15	0.457 (11.62)	15.0 (13.8)	35.0 (63.0)

Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH. Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded Lo-Cap® foamed polypropylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire and 65% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are high speed computer interconnects, CAD/CAM systems, EIA RS-232 and RS423 systems, control circuits and industrial equipment. Low signal distortion data requirements. Suggested voltage rating is 30 volts. Braid shield provides good flexibility. Superior shielding where noise rejection is critical. Assists system designers in meeting FCC Docket 20789 demands. Compliances are NEC Article 800 Type CM, UL style 2919 (UL: 80°C, 30V). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand is 7/32. Nom. Insulation Thickness in inches (mm) is 0.016 (0.41). Vel. of Prop., % is 78. Nom. Imp., ohm is 100. Nominal Cap.* pF/ft A (B) is 15.5 (27.5). ROHS compliant.

Part #	No. of Pairs	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft - Cond. (Shld.)	Nom. Imp., ohm	Nominal Cap.* pF/ft - A (B)
C0515A	2	0.032 (0.81)	0.268 (6.81)	26.0 (4.6)	132	9.9 (17.8)
C0516A	3	0.032 (0.81)	0.290 (7.37)	26.0 (3.8)	132	9.9 (17.8)
C0519A	6	0.032 (0.81)	0.368 (9.35)	26.0 (3.5)	141	9.2 (16.6)

Multi-Paired, Foil/Braid Shield, UL 2464

UL 2464, NEC Type CM (UL) C(UL), CSA CMG.

Conductor is 22 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded S-R PVC per UL 1061. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out and 65% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Suitable for EIA RS-232 applications. Suggested voltage rating is 300 volts. Braid shield provides good flexibility. Superior shielding where noise rejection is critical. Assists system designers in meeting FCC Docket 20789 demands. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand is 7/30. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). Part numbers ending in "A" are ROHS compliant.

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal DCR ohms/kft COND(SHLD)	Nominal Cap.* pF/ft - A (B)
C0650A	2	0.229 (5.82)	15.0 (5.7)	33.0 (60.0)
C0651A	3	0.296 (7.52)	15.0 (5.7)	29.0 (52.0)
C0652	4	0.320 (8.13)	15.0 (4.9)	29.0 (52.0)
C0653	5	0.322 (8.18)	15.0 (4.8)	29.0 (52.0)
C0654A	6	0.348 (8.84)	15.0 (5.0)	26.0 (47.0)
C0655	7	0.348 (8.84)	15.0 (5.0)	26.0 (47.0)
C0656A	8	0.368 (9.35)	15.0 (4.4)	26.0 (47.0)
C0658	10	0.440 (11.18)	15.0 (4.1)	26.0 (47.0)
C0660	12.5	0.455 (11.56)	15.0 (4.2)	26.0 (47.0)

Multi-Paired, Foil/Braid Shield, Lo-Cap®

UL 2919, NEC Type CM (UL) c(UL) CMH. Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire and 90% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Low capacitance requirements. Suitable for EIA RS-232 and RS-422 applications. Suggested voltage rating is 30 volts. Braid shield provides good flexibility. Superior shielding where noise rejection is critical. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand is 7/32. Nom. Insulation Thickness in inches (mm) is 0.015 (0.38). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81) except C0835 and C0836 is 0.038 (0.97). Vel. of Prop., % is 66. Nom. Imp., ohm is 100. Nominal Cap.* pF/ft A (B) is 15.5 (27.5). Part numbers ending in "A" are ROHS compliant.

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft - Cond. (Shld.)
C0829A	2	0.257 (6.53)	26.0 (2.7)
C0830A	3	0.289 (7.34)	26.0 (2.8)
C0831	4	0.313 (7.95)	26.0 (3.2)
C0832A	5	0.338 (8.59)	26.0 (1.9)
C0833	7	0.364 (9.24)	26.0 (2.0)
C0835	10	0.462 (11.73)	26.0 (1.7)
C0836	12	0.479 (12.17)	26.0 (1.8)
C0839	6	0.364 (9.24)	26.0 (2.4)



Wire & Cable - Paired Cables



Multi-Paired, Foil/Braid Shield, Lo-Cap®, UL 2919

UL 2919, NEC Type Cm (UL) c(UL) CMH. Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire and 90% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are computers, industrial equipment, data transmission, and control circuits. Low capacitance requirements. Suitable for EIA RS-485 applications. Suggested voltage rating is 30 volts. Braid shield provides good flexibility. Superior shielding where noise rejection is critical. Assists system designers in meeting FCC Docket 20789 demands. Compliances are NEC Article 800 Type CM, UL style 2919 (UL: 80°C, 30V). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand is 7/32. Nom. Insulation Thickness in inches (mm) is 0.024 (0.61). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81). Vel. of Prop., % is 68. Nom. Imp., ohm is 100. Nominal Cap.* pF/ft A (B) is 12.5 (22.5). ROHS compliant.

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft - Cond. (Shld.)
C4841A	1	0.235 (5.97)	26.0 (3.4)
C4842A	2	0.304 (7.72)	26.0 (2.2)
C4843A	3	0.360 (9.14)	26.0 (2.3)
C0841A	1	0.235 (5.97)	26.0 (3.4)
C0842A	2	0.304 (7.72)	26.0 (2.2)

Multi-Paired, Foil Shield, Lo-Cap®, UL 2448

UL 2448, NEC Type CM (UL) c(UL) CMH. Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 75°C. Applications are computers, industrial equipment, data transmission, and control circuits. Suitable for low capacitance applications. Suggested voltage rating is 30 volts. Compliances are NEC Article 800 Type CM (UL: 75°C), UL style 2448 (UL: 80°C, 30V). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand is 7/32. Nom. Insulation Thickness in inches (mm) is 0.015 (0.38). Nom. Jacket Thickness in inches (mm) is 0.032 (0.81) except C0897 is 0.038 (0.97). Vel. of Prop., % is 66. Nom. Imp., ohms is 100. Nominal Cap.* pF/ft A (B) is 14.0 (25.0). ROHS compliant.

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft - Cond. (Shld.)
C0890A	2	0.247 (6.27)	26.0 (16.5)
C0893A	4	0.285 (7.24)	26.0 (16.5)
C0899A	6	0.336 (8.53)	26.0 (15.2)



Multi-Paired, Individually Foil Shielded, Lo-Cap®

UL 2493, NEC Type CM (UL) C(UL) CMH. Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded foamed Lo-Cap® polypropylene. Shield is individually shielded pairs. 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in. Stranded tinned copper drain wire each pair. Jacket PVC, gray. Temperature range is -20° to 60°C. Suitable for low capacitance applications. Suitable for EIA RS-422 CAD/CAM applications. Suggested voltage rating is 300 volts. Individually shielded pairs for excellent signal isolation. Excellent high frequency properties. Mechanical durability. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is 7/32. Nom. Insulation Thickness in inches (mm) is 0.022 (0.56). Nominal DCR ohm/kft Cond. (Shld) is 26.0 (18.0). Vel. of Prop., % is 78. Nom. Imp., ohm is 100. Nominal capacitance between conductors is 11.0 pF/ft. Nominal capacitance between one conductor and other conductors connected to shield is 19.5 pF/ft. ROHS compliant.

Part #	No. of Pairs	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)
C0910A	2	0.048 (1.22)	0.361 (9.17)
C0911A	3	0.048 (1.22)	0.381 (9.68)
C0912A	4	0.048 (1.22)	0.416 (10.57)

Multi-Paired, Foil Shield, NEC Type CMP (UL) c(UL)

NEC Type CMP (UL) c(UL). Conductor is 22 and 24 AWG fully annealed stranded tinned copper per ASTM B33. Insulation is premium grade, color coded fluoropolymer. Shield is 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum. Stranded tinned copper drain wire. Jacket is fluoropolymer, natural. Temperature range is -40°C to 150°C. Sequential footage marked to facilitate installation. Applications are EIA RS-232 circuits, remote control circuits, process control and instrumentation and power limited control circuits. Suggested voltage rating is 300 volts. Compliances are NEC Article 800 (UL: 150°C, 300V). Designed to meet UL 910 Flame Test. Abrasion, chemical and water resistant jacket. Packaging is 1000' (305m) reels. Other put-ups available. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25).

22 AWG Conductors

Cond. Strand. is 7/30 TC.

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft - A (B)
C3204	1	0.117 (2.97)	31.0 (55.8)
C3205	2	0.151 (3.84)	25.0 (45.0)
C3207	4	0.200 (6.02)	20.0 (36.0)

24 AWG Conductors

Cond. Strand. is 7/32 TC.

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft - A (B)
C3150	2	0.130 (3.30)	22.0 (39.6)
C3152	12.5	0.277 (7.04)	17.0 (30.6)
C3153	3	0.152 (3.86)	18.0 (32.4)
C3165	6	0.200 (5.08)	17.0 (30.6)



Wire & Cable - Paired Cables



Multi-Paired, Individually Foil Shielded, UL 2919, NEC Type CM, CSA CMH

Conductor is 24 thru 18 AWG fully annealed stranded tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color coded polyethylene. Individually shielded pairs. 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in. Stranded tinned copper drain wire each pair. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMH Flame Test. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. *UL2919, CSA CMG FT1, Non CM. Vel. of Prop., % is 66. ROHS compliant (except C6043).



Part #	No. of Pairs	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal DCR ohm/kft - Cond. (Shld.)	Nom. Imp., ohm
C6040A	3	22	7/30	0.011 (0.28)	0.032 (0.81)	0.292 (7.42)	15.0 (11.3)	63
C6041A	6	22	7/30	0.011 (0.28)	0.032 (0.81)	0.381 (9.27)	15.0 (11.3)	63
C6042A	9	22	7/30	0.11 (0.28)	0.032 (0.97)	0.445 (11.61)	15.0 (11.3)	63
C6043	11	22	7/30	0.011 (0.28)	0.032 (0.97)	0.486 (12.65)	15.0 (11.3)	63
C6044A	15	22	7/30	0.011 (0.28)	0.048 (1.19)	0.591 (14.96)	15.0 (11.3)	63
C6045A	19	22	7/30	0.011 (0.28)	0.048 (1.19)	0.622 (15.75)	15.0 (11.3)	63
C6047A	3	18	16/30	0.016 (0.41)	0.032 (0.81)	0.395 (9.75)	6.4 (8.3)	60
C6048A	6	18	16/30	0.016 (0.41)	0.048 (1.19)	0.556 (14.07)	6.4 (8.3)	60
C6052A	3	20	7/28	0.013 (0.33)	0.032 (0.81)	0.339 (8.61)	10.5 (10.2)	61
C6053A	6	20	7/28	0.013 (0.33)	0.032 (0.81)	0.446 (11.33)	10.5 (10.2)	61
C6059A	12	22	7/30	0.011 (0.28)	0.048 (1.19)	0.533 (13.49)	15.0 (11.3)	63
C6046A	27	22	7/30	0.011 (0.28)	0.048 (1.19)	0.696 (17.68)	15.0 (11.3)	63

Multi-Paired, Foil Shield, Lo-Cap®, NEC Type CMP (UL) c(UL)

NEC Type CMP (UL) c(UL). Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B33. Insulation is premium grade, color coded fluoropolymer. Shield is 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum. Stranded tinned copper drain wire. Jacket is fluoropolymer, natural. Temperature range is -40°C to 150°C. Sequential footage marked to facilitate installation. Applications are EIA RS-232 and RS-422 circuits, remote control circuits, process control and instrumentation and low capacitance requirements. Suggested voltage rating is 300 volts. Compliances are NEC Article 800 (UL: 60°C, 300V). Designed to meet UL 910 Flame Test. Abrasion, chemical and water resistant jacket. Packaging is 1000' (305m) reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand. is 7/32 TC. Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nominal Cap.*pF/ft A (B) is 12.5 (22.50). Imped. ohm Nom is 100.0.



Part #	No. of Pairs	Nominal O.D - inches (mm)
C3028	2	0.159 (4.04)
C3029	3	0.183 (4.65)
C3030	4	0.246 (6.25)
C3031	6	0.285 (7.24)

Multi-Paired, Individually Foil Shielded, NEC Type CMP (UL) c(UL)

Conductor is 24 AWG fully annealed stranded tinned copper per ASTM B33. Insulation is premium grade, color coded fluoropolymer. Shield is 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum. Stranded tinned copper drain wire. Jacket is fluoropolymer, natural. Temperature range is -40°C to 150°C. Sequential footage marked. Applications are EIA RS-232 and RS-422 circuits, remote control circuits. Process control instrumentation and low capacitance requirements. Suggested voltage rating is 300 volts. Compliances are NEC Article 800 (UL: 60°C, 300V). Designed to meet UL 910 Flame Test. Abrasion, chemical and water resistant jacket. Packaging is 1000' (305m) reels. Other put-ups available. *Cables on common axis. Cond. Strand. Is 7/30 TC. Nom. Insulation Thickness in inches (mm) is 0.006 (0.15). Nom. jacket thickness in inches (mm) is 0.010 (0.25).



Part #	No. of Pairs	Nominal O.D. - in (mm)
C3156	2*	0.147 (3.73)
C3157	3	0.184 (4.67)

Multi-Paired, Foil Shield, NEC Type CMP (UL) c(UL) and/or CL2P

NEC Type CMP (UL) c(UL) and/or CL2P. Conductor is 22 and 24 AWG fully annealed stranded tinned copper per ASTM B33 or stranded bare copper per ASTM B3. Insulation is premium grade, color coded Flexguard® PVC. Shield is 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum. Stranded tinned copper drain wire. Jacket is fluoropolymer, natural. Temperature range is -20°C to 60°C. Sequential footage marked to facilitate installation. Applications are EIA RS-232 circuits, remote control circuits, process control and instrumentation and power limited control circuits. Suggested voltage rating is 150 volts. Compliances are NEC Article 800 (UL: 60°C, 300V) and NEC Article 725 (UL: 60°C, 150V). Designed to meet UL 910 Flame Test. Abrasion, chemical and water resistant jacket. Packaging is 1000' (305m) reels. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Nom. Jacket Thickness in inches (mm) is 0.010 (0.25).



18 AWG, CL2P/CMP, c(UL) 150 Volts

Cond. Strand is 7/26 TC. Nom. Insulation Thickness in inches (mm) is 0.008 (0.20).

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft - A (B)
C3362	2	0.193 (4.90)	44.0 (79.0)
C3364	4	0.238 (6.05)	33.0 (59.0)

22 AWG, CL2P, c(UL) 150 Volts

Part #	No. of Pairs	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft - A (B)
C3352	2	0.157 (3.99)	37.0 (66.0)
C3353	3	0.194 (4.42)	30.0 (53.0)
C3356	6	0.246 (5.74)	37.0 (48.0)

Wire & Cable - Paired Cables



Multi-Paired, Individually Foil Shielded

UL 2464, NEC Type MP/CM (UL) c(UL), CSA CMG. Conductor is 22 AWG fully annealed solid tinned copper per ASTM B-33. Twisted pairs. Insulation is premium grade color PVC. Shield is individually shielded pairs. 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in. Solid tinned copper drain wire each pair. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are applications for total isolation of signal, computers, control circuits and industrial equipment. Suggested voltage rating is 300 volts. Individually shielded pairs for excellent signal isolation. Excellent high frequency properties. Mechanical durability. Compliances are NEC Article 800 Type CM/MP (UL: 75°C), UL Style 2464 (UL: 80°C, 300V) and CSA CMG (CSA: 60°C). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Passes CSA CMG Flame Test. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. Cond. Strand. is solid. Nom. Insulation Thickness in inches (mm) is 0.015 (0.38). Nom. Jacket Insulation in inches (mm) is 0.032 (0.81). Nominal DCR ohm/kft Cond. (Shld.) is 16.5 (11.3). Nominal Impedance ohm is 50. Nominal Cap.* pF/ft A (B) is 40.0 (72.0). ROHS compliant.

Part #	No. of Pairs	Nominal O.D. - inches (mm)
C6036A	6	0.397 (10.08)



XTRA-GUARD® 1 Multipair, Suprashield®, UL Type CM, AWM 2343

Unsurpassed flame and moisture resistance. Fast, easy stripping of insulation and jacket. UL recognition, UL listing and CSA certification. Suprashield® is twice as effective as foil shielding. Operating temperature is -20°C to 80°C (AWM), -20°C to 75°C (CM). Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Suprashield® is aluminum/polyester/aluminum foil with stranded tinned copper drain wire equal in size to insulated conductors of cable plus 70% overall braid of tinned copper. Nylon rip cord for ease of jacket stripping.

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5330C	5	0.063 (1,60)	0.36 (9,1)
5331C	7	0.063 (1,60)	0.39 (9,9)
5332C	12	0.063 (1,60)	0.46 (11,6)
5333C	15	0.063 (1,60)	0.49 (12,4)
5334C	19	0.063 (1,60)	0.52 (13,3)
5335C	27	0.063 (1,60)	0.59 (14,9)
5336C	37	0.063 (1,60)	0.65 (16,6)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5340/2C	2	0.063 (1,60)	0.32 (8,2)
5340C	5	0.063 (1,60)	0.39 (9,9)
5341C	7	0.063 (1,60)	0.43 (10,9)
5342C	12	0.063 (1,60)	0.50 (12,8)
5344C	19	0.063 (1,60)	0.58 (14,8)
5345C	27	0.063 (1,60)	0.66 (16,7)
5346C	37	0.063 (1,60)	0.73 (18,6)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5350/4C	4	0.063 (1,60)	0.39 (9,9)
5350C	5	0.063 (1,60)	0.43 (11,0)
5351C	7	0.063 (1,60)	0.48 (12,1)
5351/9C	9	0.063 (1,60)	0.50 (12,7)
5353C	15	0.063 (1,60)	0.61 (15,4)
5354C	19	0.063 (1,60)	0.66 (16,7)
5355C	27	0.063 (1,60)	0.75 (18,9)



XTRA-GUARD® 1 Multipair, Foil Shield, UL Type CM, AWM 2464

Unsurpassed flame and moisture resistance. Fast, easy stripping of insulation and jacket. UL recognition, UL listing and CSA certification. Flexible cable routing requirements. Operating temperature is -20°C to 80°C (AWM), -20°C to 75°C (CM). Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Shield is aluminum/polyester foil facing with stranded tinned copper drain wire equal in size to insulated conductors of cable. Nylon rip cord for ease of jacket stripping.

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5373C	3	0.032 (0,81)	0.36 (9,2)
5376C	6	0.032 (0,81)	0.47 (12,0)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0x43mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5452C	2	0.032 (0,81)	0.31 (7,7)
5453C	3	0.032 (0,81)	0.33 (8,3)
5456C	6	0.032 (0,81)	0.43 (10,7)
5459C	9	0.032 (0,81)	0.50 (12,5)
5459/12C	12	0.032 (0,81)	0.56 (13,5)
5459/19C	19	0.053 (1,35)	0.70 (17,8)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5481C	1	0.032 (0,81)	0.18 (4,6)
5482C	2	0.032 (0,81)	0.23 (5,8)
5483C	3	0.032 (0,81)	0.25 (6,5)
5484C	4	0.032 (0,81)	0.27 (7,0)
5485C	5	0.032 (0,81)	0.29 (7,4)
5486C	6	0.032 (0,81)	0.32 (8,0)
5489C	9	0.032 (0,81)	0.37 (9,4)
5489/11C	11	0.032 (0,81)	0.40 (10,3)
5489/15C	15	0.032 (0,81)	0.45 (11,4)
5489/19C	19	0.032 (0,81)	0.49 (12,5)
5489/27C	27	0.053 (1,35)	0.62 (15,7)

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5491C	1	0.032 (0,81)	0.16 (4,1)
5492C	2	0.032 (0,81)	0.21 (5,2)
5493C	3	0.032 (0,81)	0.23 (5,9)
5494C	4	0.032 (0,81)	0.25 (6,5)
5495C	5	0.032 (0,81)	0.27 (7,0)
5496C	6	0.032 (0,81)	0.29 (7,4)
5499/11C	11	0.032 (0,81)	0.36 (9,2)
5499/15C	15	0.032 (0,81)	0.40 (10,3)
5499/19C	19	0.032 (0,81)	0.44 (11,2)
5499/27C	27	0.032 (0,81)	0.50 (12,8)



Wire & Cable - Paired Cables



Multipair Foil Shield PVC/PVC

Operating temperature is -20°C to 80°C for AWM and 75°C for CM. Voltage rating is 300. Jacket color is gray. Conductor is stranded tinned copper. Color-coded PVC insulation. Shield is aluminum/polyester tape foil facing inward. Drain wire is stranded tinned copper. PVC jacket. Specifications are UL Type CM, AWM 2464, CSA CMG FT4. Passes UL Vertical Tray Flame Test. "C" suffix indicates CM rating. Available in 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups. 24 AWG (0,23mm²), 7/32 (7 x 0,20mm), insulation thickness is 0.010" (0,25mm).



Part #	No. of Pairs	Jacket Thickness inches	Jacket Thickness mm	Dia. inches	Dia. mm	Drain Wire AWG	Drain Wire Strand
5471C	1	0.032	0,81	0.16	4,1	24	7/32
5472C	2	0.032	0,81	0.21	5,3	24	7/32
5473C	3	0.032	0,81	0.23	5,8	24	7/32
5474C	4	0.032	0,81	0.24	6,1	24	7/32

XTRA-GUARD® 1 Multipair, Unshielded, UL Type CM, AWM 2464

Unsurpassed flame and moisture resistance. Fast, easy stripping of insulation and jacket. UL recognition, UL listing and CSA certification. Flexible cable routing requirements. Operating temperature is -20°C to 80°C (AWM), -20°C to 75°C (CM). Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Nylon rip cord for ease of jacket stripping.



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5261C	1	0.032 (0,81)	0.16 (4,1)
5262C	2	0.032 (0,81)	0.20 (5,1)
5263C	3	0.032 (0,81)	0.23 (5,8)
5264C	4	0.032 (0,81)	0.25 (6,4)
5265C	5	0.032 (0,81)	0.27 (6,9)
5266C	6	0.032 (0,81)	0.29 (7,3)
5269C	9	0.032 (0,81)	0.33 (8,4)
5269/11C	11	0.032 (0,81)	0.36 (9,1)
5269/15C	15	0.032 (0,81)	0.40 (10,1)
5269/27C	27	0.032 (0,81)	0.50 (12,7)
5269/77C	77	0.083 (2,11)	0.86 (21,8)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5021C	1	0.032 (0,81)	0.17 (4,3)
5022C	2	0.032 (0,81)	0.22 (5,7)
5023C	3	0.032 (0,81)	0.25 (6,5)
5024C	4	0.032 (0,81)	0.28 (7,1)
5025C	5	0.032 (0,81)	0.30 (7,7)
5026C	6	0.032 (0,81)	0.31 (7,8)
5029/15C	15	0.032 (0,81)	0.45 (11,5)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5282C	2	0.032 (0,81)	0.30 (7,5)
5283C	3	0.032 (0,81)	0.32 (8,2)
5286C	6	0.032 (0,81)	0.42 (10,6)
5289C	9	0.032 (0,81)	0.49 (12,4)
5289/12C	12	0.032 (0,81)	0.53 (13,5)

XTRA-GUARD® 1 Multipair, Unshielded, UL Type CM, AWM 2464 (cont.)

18 AWG (0,81mm²), 16/30 (16/0,25mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5032C	2	0.032 (0,81)	0.33 (8,4)
5033C	3	0.032 (0,81)	0.36 (9,1)
5036C	6	0.032 (0,81)	0.47 (11,9)
5039C	9	0.053 (1,35)	0.55 (13,9)
5039/12C	12	0.053 (1,35)	0.63 (16,1)

XTRA-GUARD® 1 Multipair, Suprashield®, UL Type CM, AWM 2464

Unsurpassed flame and moisture resistance. Fast, easy stripping of insulation and jacket. UL recognition, UL listing and CSA certification. Suprashield® is twice as effective as foil shielding. Operating temperature is -20°C to 80°C (AWM), -20°C to 75°C (CM). Voltage rating is 300. Conductor is stranded tinned copper. Insulation is color-coded premium PVC. Suprashield® is aluminum/polyester/aluminum foil with stranded tinned copper drain wire equal in size to insulated conductors of cable plus 70% overall braid of tinned copper. Nylon rip cord for ease of jacket stripping.



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5271C	1	0.032 (0,81)	0.18 (4,6)
5272C	2	0.032 (0,81)	0.23 (5,8)
5273C	3	0.032 (0,81)	0.25 (6,5)
5274C	4	0.032 (0,81)	0.28 (7,0)
5275C	5	0.032 (0,81)	0.30 (7,5)
5276C	6	0.032 (0,81)	0.31 (8,0)
5279C	9	0.032 (0,81)	0.36 (9,1)
5279/11C	11	0.032 (0,81)	0.38 (9,7)
5279/15C	15	0.032 (0,81)	0.43 (10,8)
5279/19C	19	0.032 (0,81)	0.46 (11,8)
5279/27C	27	0.032 (0,81)	0.53 (13,4)

Wire & Cable - Paired Cables



XTRA-GUARD® 1 Multipair, Suprashield®, UL Type CM, AWM 2464 (cont.)

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5121C	1	0.032 (0,81)	0.20 (5,1)
5122C	2	0.032 (0,81)	0.25 (6,3)
5123C	3	0.032 (0,81)	0.28 (7,1)
5124C	4	0.032 (0,81)	0.31 (7,8)
5125C	5	0.032 (0,81)	0.33 (8,3)
5126C	6	0.032 (0,81)	0.35 (8,9)
5129C	9	0.032 (0,81)	0.40 (10,1)
5129/11C	11	0.032 (0,81)	0.43 (10,9)
5129/15C	15	0.032 (0,81)	0.48 (12,1)
5129/19C	19	0.032 (0,81)	0.52 (13,2)
5129/27C	27	0.053 (1,35)	0.64 (16,2)

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5292C	2	0.032 (0,81)	0.33 (8,3)
5293C	3	0.032 (0,81)	0.35 (8,9)
5296C	6	0.032 (0,81)	0.44 (11,3)
5299C	9	0.032 (0,81)	0.51 (13,0)
5299/19C	19	0.053 (1,35)	0.72 (18,4)

18 AWG (0,81mm²), 16/30 (16/0,25mm), Insulation Thickness: 0.017" (0,43mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
5132C	2	0.032 (0,81)	0.36 (9,1)
5133C	3	0.032 (0,81)	0.39 (9,8)
5136C	6	0.032 (0,81)	0.49 (12,5)
5139/27C	27	0.083 (2,11)	0.98 (24,9)

XTRA-GUARD® High-Flex Mini Diameter Data Cable, Multipair, Shielded, UL AWM Style 2661

Extreme flexibility in small spaces. Continual flexing in cable tracks. UL listed, UL recognized, CSA Certified and CE Marked. Outstanding EMI protection. Jacket meets VDE 0472, section 803 oil test. Operating temperature is -5°C to 105°C. Voltage rating is 300. Conductor is super finely stranded tinned copper. Insulation is lubricated semi-rigid PVC. Drain wire is 26 AWG, 7/34 stranded tinned copper. Shielding is foil and 85% tinned copper braid.



28 AWG (0,09mm²), 7/36 (7/0,13mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86401CY	1	0.040 (1,0)	0.18 (4,7)
86402CY	2	0.040 (1,0)	0.23 (5,8)
86403CY	3	0.040 (1,0)	0.24 (6,0)
86404CY	4	0.040 (1,0)	0.25 (6,4)
86405CY	5	0.040 (1,0)	0.27 (6,9)
86408CY	8	0.040 (1,0)	0.33 (8,3)
86410CY	10	0.045 (1,1)	0.38 (9,7)
86414CY	14	0.045 (1,1)	0.41 (10,4)
86406CY	6	0.040 (1,0)	0.30 (7,5)



XTRA-GUARD® High-Flex Mini Diameter Data Cable, Multipair, Shielded, UL AWM Style 2661 (cont.)

26 AWG (0,14mm²), 7/34 (7/0,16mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86501CY	1	0.040 (1,0)	0.19 (4,9)
86502CY	2	0.040 (1,0)	0.24 (6,1)
86503CY	3	0.040 (1,0)	0.25 (6,4)
86504CY	4	0.040 (1,0)	0.27 (6,8)
86505CY	5	0.040 (1,0)	0.29 (7,3)
86506CY	6	0.040 (1,0)	0.31 (7,9)
86508CY	8	0.040 (1,0)	0.35 (8,8)
86510CY	10	0.045 (1,1)	0.40 (10,1)
86514CY	14	0.053 (1,3)	0.44 (11,2)

24 AWG (0,23mm²), 10/34 (10/0,16mm), Insulation Thickness: 0.010" (0,25mm)

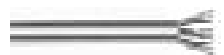
Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86601CY	1	0.040 (1,0)	0.20 (5,1)
86602CY	2	0.040 (1,0)	0.26 (6,6)
86603CY	3	0.040 (1,0)	0.25 (6,4)
86604CY	4	0.040 (1,0)	0.29 (7,3)
86605CY	5	0.040 (1,0)	0.31 (7,8)
86606CY	6	0.040 (1,0)	0.34 (8,6)
86608CY	8	0.040 (1,0)	0.37 (9,5)
86610CY	10	0.045 (1,1)	0.44 (11,2)
86614CY	14	0.053 (1,3)	0.47 (11,9)

22 AWG (0,38mm²), 19/34 (19/0,16mm), Insulation Thickness: 0.010" (0,25mm)

Part #	No. of Pairs	Jacket Thickness in (mm)	Nom. Diameter in (mm)
86701CY	1	0.040 (1,0)	0.21 (5,4)
86702CY	2	0.040 (1,0)	0.28 (7,1)
86703CY	3	0.040 (1,0)	0.29 (7,4)
86704CY	4	0.040 (1,0)	0.31 (7,9)
86705CY	5	0.040 (1,0)	0.34 (8,5)
86706CY	6	0.040 (1,0)	0.37 (9,3)
86708CY	8	0.045 (1,1)	0.42 (10,7)
86710CY	10	0.053 (1,3)	0.50 (12,7)
86714CY	14	0.053 (1,3)	0.51 (13,0)

Communication and Control Multipair, Individually Foil Shielded

Operating temperature is -20°C to 80°C. Voltage rating is 350. Conductor is stranded tinned copper. Shield is individually foil shielded pairs. Drain wire is 22 AWG, 7/30 tinned copper. Insulation is color-coded polypropylene. Jacket is high-density polyethylene. Available ins 500 or 1000 feet put-ups. CDR PF/FT to CDR PF/M is 30, 98. CDR PF/FT to CDR+Shield PF/M is 55, 180.



Part #	No. of Pairs	Jacket Thick. - Inches (mm)	Diameter - Inches (mm)
6314	3	0.040 (1,0)	0.309 (7,8)
6315	6	0.045 (1,1)	0.400 (10,2)

Wire & Cable - Paired Cables



Audio & Sound - Multipair Unshielded Cable

Solid or stranded tinned copper conductor. Color coded PVC insulation. Twisted pair. Chrome gray PVC jacket. For unshielded multiple paired cable for speaker and sound systems.

Part #	AWG	No. Pairs	Nom. Jkt. Thick.	Nom. O.D.	Nom. Insul.
M13032	22	2	.032"	.244"	.010"
M13033	22	3	.032"	.258"	.010"
M13082	18	2	.032"	.327"	.014"
M13083	18	3	.032"	.347"	.014"

Audio & Data Transaction - Multipair Foil Shield - Individual

Stranded tinned copper conductor. Aluminum/polyester foil shield over each pair. Chrome gray PVC jacket. Drain wire stranded tinned copper. For audio process control computer systems.

Part #	AWG	No. Pair	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M4473	22	2	.019"	.168"	.008"
M13103	22	3	.032"	.273"	.010"
M13142	20	2	.035"	.300"	.010"
M13149	20	9	.050"	.555"	.013"

Computer Cable - Multipair Foil Shield - Overall

Stranded tinned copper conductor. Color coded SR PVC insulation. Aluminum/polyester foil shield. Drain wire is stranded tinned copper equal in size to insulated conductor. Nylon ripcord. Chrome Gray PVC jacket. For computer and control applications requiring paired conductors. Ensures precise signal transmission for critical data processing.

Part #	AWG	No. Pair	Nom. Jkt Thick	Nom. O.D.	Nom. Insul.
M4770	22	2	.032"	.230"	.010"
M4771	22	3	.032"	.250"	.010"
M4772	22	4	.032"	.270"	.010"

Computer Cable - Multipair Foil - Overall RS-232

Tinned copper conductor. Aluminum/polyester foil shield. Drain wire is tinned copper equal in size to insulated conductor. Nylon ripcord. Chrome Gray PVC jacket. For standard interface for modems, multiplexers and general data interface.

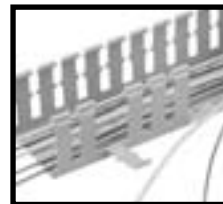
Part #	AWG	No. Pairs	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M13191	24	2	.032"	.222"	.010"
M13192	24	3	.032"	.232"	.010"

Wire Management Products

 Raceway

 Duct

 Cable Trays & Accessories



Wire & Cable - Microphone/Audio



AES/EBU Digital Audio Cable - Single & Double Pair Cables

AES/EBU allows cables with impedances from 88 ohms to 132 ohms to be used. These cables utilize Datalene® premium grade height density insulation. Nominal impedance is 110 ohms. Nom. Vel. of Prop is 76%. *Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

Datalene Insulation - Gray or Purple PVC Jacket

24 AWG stranded (7 x 32) tinned copper conductors. Twisted pairs. Overall Beldfoil shield (100% coverage). 24 AWG drain wire. 60°C. Color code is black, red.



Part #	No. of Pairs	Std. Lgth ft (m)	Nom. DCR Cond.	Nom. DCR Shield	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
1800B	1	500 (152.4) U-1000 (U-304.8) 1000 (304.8) 5000 (1524.0)	23.7 ohm/M' (77.7 ohm/km)	18.9 ohm/M' (62.0 ohm/km)	.177 (4.57)	12 (39)	26 (85)

Plenum - Foam FEP Teflon® Insulation - Flamarrest® Jacket

24 AWG stranded (7 x 32) TC conductors. Twisted pairs. Overall Beldfoil shield (100% coverage). 24 AWG TC drain wire. 75°C, non-conduit. Color code is black, red.



Part #	No. of Pairs	Std. Lgth ft (m)	Nom. D.C.R. Cond.	Nom. D.C.R. Shield	Nom. O.D. inch (mm)	Nom. Cap pF ft (m)*	Nom. Cap pF ft (m)**
1801B	1	500 (152.4) U-1000 (U-304.8) 1000 (304.8)	23.7 ohm/M' (77.7 ohm/km)	18.9 ohm/M' (62.0 ohm/km)	.165 (4.19)	12 (39)	26 (85)

Datalene Insulation - Black High-Flex Matte PVC Jacket

22 AWG stranded (7 x 30) TC conductors. Twisted pair with fillers. Overall Beldfoil + TC braid shield (90% coverage). 24 AWG drain wire. DMX512 Type High-Flex 60°C. Color code is blue, white.

Part #	No. Pairs	Std Lgth ft (m)	Nom. DCR Cond.	Nom. DCR Shield	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
1696A	1	250 (76.2), 500 (152.4), U-1000 (U-304.8), 1000 (304.8)	17.8 ohm/M' (48.5 ohm/km)	4.6 ohm/M' (15.2 ohm/km)	.234 (5.94)	13 (43)	26 (85)

Datalene Insulation - Purple PVC Jacket in Zip-Cord Construction

24 AWG stranded (7 x 32) TC conductors. Dual twisted pairs. Overall Beldfoil shield (100% coverage). 24 AWG TC drain wire. 60°C. Color code is black, red.

Part #	No. Pairs	Std Lgth ft (m)	Nom. DCR Cond	Nom. DCR Shield	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
1802B	2	500 (152.4) U-1000 (U-304.8) 1000 (304.8)	23.7 ohm/M' (77.7 ohm/km)	18.9 ohm/M' (62.0 ohm/km)	.180 x .360 (4.57 x 9.14)	12 (39)	26 (85)

Speaker Wire and Cable - Electrolytic Tough Pitch (ETP) High-Conductivity Copper Speaker Cables

Parallel Zip Constructions

Part #	AWG	Insulation	No. Cond.	Std Lgth ft (m)	Insul. Thick in (mm)	Nom. OD in (mm)
8782	24 AWG stranded (7x32)	PVC Insulation	2	U-1000 (U-304.8), 1000 (304.8)	.017 (.43)	.058 x .116 (1.47 x 2.95)
9712	22 AWG stranded (7x30)	Clear PVC	2	1000 (304.8)	.017 (.43)	.065 x .130 (1.65 x 3.30)
8649	20 AWG stranded (7x28)	Clear or Chrome PVC	2	1000 (304.8)	.018 (.46)	.073 x .146 (1.85 x 3.71)

Open Twisted Construction

Part #	AWG	Insulation	No. Cond.	Std Lgth ft (m)	Insul. Thick in (mm)	Nom. OD in (mm)
8460	18 AWG stranded (7x26)	PVC	2	U-1000 (U-304.8), 1000 (304.8)	.020 (.51)	.180 (4.57)
1863A	18 AWG stranded (19x30)	Plenum, Flamarrest®	2	1000 (304.8)	.022 (.56)	.178 (4.52)
8470	16 AWG stranded (19x29)	PVC	2	500 (152.4), U-1000 (U-304.8), 1000 (304.8)	.023 (.58)	.210 (5.33)
1862A	16 AWG stranded (19x29)	Plenum, FLamarrest®	2	1000 (304.8)	.022 (.56)	.202 (5.13)
1861A	14 AWG stranded (19x27)	Plenum, Flamarrest®	2	1000 (304.8)	.022 (.56)	.236 (5.99)



Wire & Cable - Microphone/Audio



Microphone & Musical Instrument Cable

Two-conductor, high-conductivity tinned copper. 20 AWG stranded (26x34). Conductors cabled. Rayon braid. TC braid shield (85% coverage). Rubber insulation, cotton wrap and EPDM jacket. Black, red, yellow or blue jacket available in 1000 foot put-up only.



Part #	No. of Cond.	Std. Lgth ft. (m)	Insul. Thick. in. (mm)	Jacket Thick. in. (mm)	Nom. O.D. in. (mm)	Nom. Cap. pF/Ft. (m)*	Nom. Cap. pF/Ft. (m)**
8412	2	100 (30.5) 250 (76.2) U-500 (U152.4) 500 (152.4) U-1000 (U-304.8) 1000 (304.8)	.023 (.58)	.035 (.89)	.262 (6.65)	30 (98)	55 (180)



AES/EBU Digital Audio Cable - Multi-Pair Snake Cables

Individually shielded and jacketed pairs. Datalene® insulation. Pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets. Color code is black, red. Nominal impedance is 110 ohms. Nominal velocity of propagation is 76%. Nominal capacitance between conductors is 13pF/Ft.



26 AWG (7 x 34)

7880A fits D-sub connectors.

Part #	No. of Pairs	Std. Lgth ft (m)	Nom. O.D. inch (mm)
7891A	2	500 (152.4) 1000 (304.8)	.343 (8.71)
7890A	4	100 (30.5) 250 (76.2) 500 (152.4) 1000 (304.8)	.399 (10.13)
7880A	8	250 (76.2) 500 (152.4) 1000 (304.8)	.541 (13.74)
7892A	12	500 (152.4) 1000 (304.8)	.679 (17.25)
7893A	16	500 (152.4) 1000 (304.8)	.770 (19.56)

24 AWG (7 x 32) - Flexible

Part #	No. of Pairs	Std. Lgth ft (m)	Nom. O.D. inch (mm)
1805F	8	500 (152.4) 1000 (304.8)	.661 (16.79)
1803F	4	500 (152.4) 1000 (304.8)	.485 (12.32)
1806F	12	500 (152.4) 1000 (304.8)	.829 (21.06)
1850F	16	500 (152.4) 1000 (304.8)	.944 (23.98)
1852F	24	500 (152.4) 1000 (304.8)	1.205 (30.61)
1854F	32	1000 (304.8)	1.346 (34.19)



Multi-Conductor, Carolprene®, Braid Shield

High and Low Impedance. Conductor is 18 and 16 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber insulation. Shield is clear mylar wrap, 80% braid tinned copper. Jacket is Carolprene®, black. Temperature range is -20°C to 60°C. Suggested voltage rating is 300 volts. C1202 and C1602 is low impedance microphones, studio use, control circuits, video and interconnecting cables and shielded power supplies. Suggested voltage rating is 300 volts. Precision engineered to transmit clear, noise-free signals. Minimizes electrical "hum". Resistant to oil, acid, sunlight, abrasion and aging. Excellent noise rejection. *Capacitance between one conductor and other conductor connected to shield. Nom. Jacket Thickness in inches (mm) is 0.035 (0.89).



Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.*pF/ft
C1201	1	18	41/34	0.040 (1.02)	0.240 (6.10)	46.0
C1202	2	18	41/34	0.020 (0.51)	0.295 (7.49)	61.0



Multi-Conductor, Rubber, Braid Shield

High and Low Impedance. Conductor is 18 and 20 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber insulation. Shield is clear mylar wrap, 80% tinned copper braid and cotton wrap. Jacket is rubber, black. Temperature range is -20°C to 60°C. Applications: C1300 and C1301 are high impedance microphones, broadcast and studio use, communication and audio system and shielded power supplies. Suggested voltage rating is 300 volts. Precision engineered to transmit clear, noise-free signals. Minimizes electrical "hum". Braid shield provides extra flexibility. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. *Capacitance between one conductor and other conductor connected to shield.

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.*pF/ft
C1300	1	20	26/34	0.040 (1.02)	0.230 (5.84)	42.0
C1301	1	18	41/34	0.040 (1.02)	0.240 (6.10)	46.0

Multi-Conductor, Rubber, Braid Shields

Conductor is 20 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded rubber. Shield is 80% tinned copper braid. Jacket is rubber, black. Temperature range is -20°C to 60°C. Applications are control circuits, broadcast and studio applications and audio interconnects. Suggested voltage rating is 300 volts. Impact and abrasion resistant. Stranded conductors for superior flexibility. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand is 26/34. Nom. Insulation Thickness in inches (mm) is 0.020 (0.51). Nom. Jacket Thickness in inches (mm) is 0.035 (0.89).



Part #	No. of Cond.	Nominal O.D. - inches (mm)
C1302	2	0.270 (6.86)



Wire & Cable - Microphone/Audio



Multi-Conductor, Spiral Shield

Conductor is 24 AWG annealed stranded bare copper per ASTM B-3. Insulation is premium grade color coded polyethylene. Shield is 85% spiral tinned copper. Jacket is PVC, black. Temperature range is -20°C to 75°C. Applications are electronic circuits where RF shielding is required, radio transmitters, sound systems and recording studios. Suggested voltage rating is 300 volts. Spiral shield provides extra flexibility and excellent shielding to reduce noise. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductor connected to shield.

Part #	No. of Cond.	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.*pF/ft - A (B)
C1226	2	105/44	0.012 (0.30)	0.031 (0.79)	0.176 (4.47)	40.0 (72.0)

Multi-Conductor, Braid Shield

Low impedance. Conductor is 22 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded polyethylene. Fillers where required. Shield is 80% tinned copper braid. Jacket is PVC, gray. Temperature range is -20°C to 60°C. Applications are low impedance microphones. Suggested voltage rating is 1000 volts. Flexlife® jacket provides extreme flexibility. High abrasion resistance. Outstanding appearance. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. *Capacitance between one conductor and other conductor connected to shield.



Part #	No. of Cond.	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.*pF/ft
C1322	2	16/34	0.025 (0.64)	0.025 (0.64)	0.235 (5.97)	31.0

Special Audio, Communication and Instrumentation, UL 2095, 2093

UL 2095, 2093. Conductor is 24 thru 20 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade, color coded polyethylene (C1333) or (C1345). Shield is 100% Flexfoil® aluminum/polyester foil with 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are audio, communications and EMI isolated circuits for instrumentation. Suggested voltage rating is 300 volts. Compliances are UL style 2093 (UL: 60°C, 300V) and UL style 2095 (UL: 80°C, 300V). Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. ROHS compliant.



UL Style 2093, 300 Volt

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft
C1333A	3	2-20 Shielded 1-20 Unshielded	10/30	0.015 (0.38)	0.028 (0.71)	0.206 (5.23)	26.0 (47.0)

UL Style 2095, 300 Volt

Part #	No. of Cond.	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft
C1345A	6	4-24 Shielded 2-22 Unshielded	7/32 7/30	0.015 (0.38)	0.025 (0.64)	0.234 (5.95)	32.0 (57.0)

Special Audio, Communication and Instrumentation, UL 2095, UL 2835

UL 2095, UL 2835, UL 2094, NEC Type CL2. Conductor is 22 thru 18 AWG fully annealed stranded tinned copper per ASTM B-33. Insulation is C1331 - Premium grade, color coded PVC, and C1340 - Premium grade, color coded polypropylene and C1343 - Premium grade, color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester over 2 conductors, 25% overlap, minimum, foil facing out. Stranded tinned copper drain wire. Jacket is PVC, gray. Temperature range is -20°C to 80°C. Applications are audio, communications and EMI isolated circuits for instrumentation. Compliances are NEC Article 725 Type CL2 (UL: 75°C, 150V), C1331 - UL style 2095 (UL: 80°C, 300V), C1340 - UL style 2835 (UL: 60°C, 30V) and C1343 - UL style 2094 (UL: 60°C, 300V). Designed to meet UL 70,000 BTU Vertical Tray Flame Test. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield. No. of Cond. is 4. ROHS compliant.



Part #	Type	AWG Size	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)	Nominal Cap.* pF/ft
C1340A	UL Style 2835, 30 Volt	2-22 Shielded 2-22 Unshielded	7/30	0.008 (0.20)	0.020 (0.51)	0.167 (4.24)	29 (52)
C1343A	UL Style 2094, 300 Volt	2-20 Shielded 2-18 Unshielded	7/28, 16/30	0.018 (0.46), 0.018 (0.46)	0.032 (0.81)	0.259 (6.58)	27 (49)

RG-59 Serial Digital Interface

75 Ohm high end coaxial cables for video, analog and digital applications.

Part #	Cond. Size/Type & DCR	Insul. Type Nom O.D in (mm)	Shield TType & DCR/KFt	Jacket & Nom Dia in (mm)	Nom. Capacitance pF/ft (pF/m)	Nom. Imp. Ohm	Nom. Vel of Prop.
395031	23 Solid BC (20.1 Ohm)	Foam PE Gas Injection 0.102 (2.59)	DUAL Foil +95% Tinned Copper Braid Shield (7.6 Ohm)	FR-PVC 0.159 (4.04)	16.5 (54.1)	75	83%
395025	20 Solid BC (10.5 Ohm)	Foam PE Gas Injection 0.146 (3.71)	Dual Foil +95% Tinned Copper Braid Shield (3.5 Ohm)	FR-PVC 0.242 (6.15)	16.3 (53.4)	75	83%
495023	20 Solid BC (10.5 Ohm)	Foam FEP 0.135 (3.43)	Dual Foil +95% Tinned Copper Braid Shield (3.2 Ohm)	Plenum-PVC 0.199 (5.05)	16.1 (53.0)	75	84%



Wire & Cable - Microphone/Audio



RG-6 & RG-7 Serial Digital Interface/Precision

75 Ohm high end coaxial cables for exacting video, analog and digital applications

Part #	Cond. Size/Type & DCR	Insulation Type Nom O.D. in (mm)	Shield Type & DCR/Kft	Jacket & Nom. Dia in (mm)	Nom. Capacitance pF/ft (pF/m)	Nom. Imp. Ohm	Nom. Vel of Prop.
395011	18 Solid BC (6.5 Ohm)	Foam PE Gas Injection 0.180 (4.57)	Dual Foil +95% Tinned Copper Braid Shield (2.8 Ohm)	FR-PVC 0.272 (6.91)	16.2 (53.1)	75	83%



Superflex® Speaker Wire

Conductor is 12 AWG fully annealed stranded bare copper conductor per ASTM B-3. Insulation/Jacket is premium grade clear Superflex® PVC. Temperature range -20°C to 60°C. Applications are hi-fi and stereo speaker wire, lamps, radios and juke boxes. Suggested voltage rating is 120 volts. Compliance is UL misc. (UL: 120V). Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available.

Part #	No. of Cond.	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nominal O.D. - inches (mm)
C1364	2	7x37/36	0.060 (1.52)	0.230 x 0.470 (5.84 x 11.94)

Conductor: 18 AWG, 1 tinned and 1 bare copper conductor per ASTM B-174. Insulation is Premium-grade, clear PVC. Jacket: PVC, clear and temperature range: -20°C to +60°C. Applications: Digital audio, Hi-fi and stereo speaker wire, lamps, radio, juke boxes.

Part #	No. of Cond.	Cond. Strand.	Nom. Insulation Thickness - inches (mm)	Nominal O.D. - inches (mm)
C6367	2	16/30	0.016 (0.41)	0.210(5.33)

Superflex® Speaker Wire

Conductor is 20 and 18 AWG, 1 tinned and 1 bare copper conductor per ASTM B-174. Insulation is premium grade, clear PVC. Jacket is PVC, clear. Temperature range is -20°C to 60°C. Applications are hi-fi and stereo speaker wire, lamps, radios and juke boxes. Packaging is 1000' (305m) spools and 500' (152m) spools. Other put-ups available. No. of Cond. is 2. Nom. Insulation Thickness in inches (mm) is 0.016 (0.41).

Part #	AWG Size	Cond. Strand.	Nom. Jacket Thickness - inches (mm)	Nominal O.D. - inches (mm)
C6335	20	10/30	0.020 (0.51)	0.180 (4.57)



Audio - Microphone

Polyethylene Single Conductor Shield - Overall

Stranded tinned copper conductor (except *). White polyethylene insulation. Braided or Spiral tinned copper shield. Chrome gray PVC jacket. For high impedance microphones, hi-fi interconnecting cable, instruments and tape recorders. Braided shield provides added tensile strength. *Conductor: Tinned copperweld for M3601, M3633; 3 strands of tinned copper and 4 strands of tinned copperweld.

Part #	Nom. Insulation Thick. Inch.	Nom. Jacket Thick. Inch.	Shield Type	Nom. O.D. Inch.	Voltage
M3601	.012*	.016	Braid	.090	300
M3635	.016	.020	Spiral	.110	1000

PVC Two Conductor Braided Shield - Overall

Solid or stranded tinned copper conductor. Color coded PVC insulation. Stranded tinned copper drain wire. Shield is tinned copper braid 88% coverage. Black PVC jacket. For sound and public address systems. Ideal for recording studios and radio transmitters. 22 AWG.

Part #	Nom. O.D. Inch.	Nom. Jacket Thick. Inch.	Color
M14462	.210	.025	Blk, Red



Noise Free Microphone Cable

Fully shielded, two conductor cable with heavy copper braid for balanced line microphones. Heavy-duty black rubber jacket to meet all service requirements. This 500 foot cable, spooled and supplied with a plastic axle, is contained in a display/dispenser box for ease of distribution.



Part #	Description
EMC160T	Two conductor
EMC95T	Single conductor



Speaker Wire

Clear coat, top grade copper wire. PVC insulated. Color coded with polarity stripe for easy circuit identification. For use with tape decks, radios and speakers. Shown in 49'. Replace PK with C (100' spool), BK (500' spool), or M (1000' spool).

Part #	Gauge	Stranding
8121-PK	12/2	65/30
8123-PK	41/2	41/30
8127-PK	18/2	16/30
8125-PK	22/2	7/30



Wire & Cable - Coax



Coaxial Cables



Part #	Cable Designation	Strands/Cond. Dia.	Insul. Material	Shield Type Tape/Braid	Jacket Material (OD in)	Nom. Imp	Nom. Cap (pF/Ft.)
1151A	RG-59/U Type Plenum	1/.032"	FFEP	DF/52% TC DC/34% TC	FEP (.236)	75	16.5
1152A	RG-6/U Type Plenum	1/.040	FFEP	DF/60% TC DF/40% TC	FEP (.273)	75	16.5
1153A	RG-11/U Type Plenum	1/.064	FFEP	DF/60% TC DF/40% TC	FEP (.387)	75	16.5
1164B	Bundled Coax RGB	7/.019"	FHDPE	DF/93% TC	PVC (.388)	75	17.3
1167B	Bundled Coax RGB	7/.019"	FHDPE	DF/93% TC	PVC (.455)	75	17.3
1186A	RG-59/U Type	1/.032"	GIFHDPE	DBIV, 67% AL 40% AL	PVC (.265)	75	16.2
1189A	RG-6/U Type	1/.040	GIFPE	DBIV, 60% AL 40% AL	PVC (.298)	75	16.2
1190A	RG-6/U Type Burial	1/.040"	GIFPE	DBIV/60% AL	PE (.298)	75	16.2
1406B	Bundled Coax Miniature RGB	7/.019"	FHDPE	DF/93% TC	PVC (.388)	75	17.3
1407B	Bundled Coax Miniature RGB	7/.019"	FHDPE	DF/93% TC	PVC (.455)	75	17.3
1417B	Bundled Coax Miniature RGB	7/.019"	FHDPE	DF/93% TC	PVC (.477)	75	17.3
1418B	Bundled Coax RGB	7/.019"	FHDPE	DF/93% TC	PVC (.477)	75	17.3
1426A	RG-59/U Type	1/.032"	GIFHDPE	None/95% BC	PVC (.242)	75	16.3
1505A	RG-59/U Type	1/.032"	GIFHDPE	DF/95% TC	PVC (.234)	75	16.3
1505F	RG-59/U Type	7/.031"	GIFHDPE	None/94% BC + None/94% BC	PVC (.242)	75	17.0
1506A	RG-59/U Type Plenum	1/.032"	FFEP	DF/95% TC	FLM (.196)	75	16.0
1520A	Bundled Coax Sub-Miniature RGB	7/.012"	FHDPE	DF/90% TC	PVC (.283)	75	17.3
1521A	Bundled Coax Sub-Miniature RGB	7/.012"	FHDPE	DF/90% TC	PVC (.310)	75	17.3
1522A	Bundled Coax Sub-Miniature RGB	7/.012"	FHDPE	DF/90% TC	PVC (.338)	75	17.3
1523A	RG-11/U Type	1/.064	GIFPE	DBII/60% AL	PVC (.400)	75	16.2
1530A	RG-6/U Type	1/.040"	GIFPE	DBII/90% AL	PVC (.270)	75	16.2
1671A	RG-405/U Type Conformable®	1/.0201	TFE	Copper-Tin Composite	None (.087)	50	29.2
1671J	RG-405/U Type Conformable® Jacketed	1/.0201	TFE	Copper-Tin Composite	PVC (.127)	50	29.5
1672A	75 Ohm Conformable®	1/.011"	TFE	Copper-Tin Composite	None (.087)	75	19.5
1672J	75 Ohm Conformable® Jacketed	1/.011"	TFE	Copper-Tin Composite	PVC (.127)	75	19.5
1673A	RG-402/U Type Conformable®	1/.0365	TFE	Copper-Tin Composite	None (.138)	50	29.2
1673J	RG-402/U Type Conformable® Jacketed	1/.0365	TFE	Copper-Tin Composite	PVC (.178)	50	29.5
1674A	M17-151 Type Conformable®	1/.0113	TFE	Copper-Tin Composite	None (.047)	50	29.5
1675A	RG-401/U Type Conformable®	1/.065"	TFE	CT (8.0)	None (.246)	50	29.6
1694A	RG-6/U Type Digital Video	1/.040	GIFHDPE	DF/95% TC	PVC (.275)	75	16.2
1695A	RG-6/U Type Plenum	1/.040	FFEP	DF/95% TC	FLM (.234)	75	16.2
1807A	Parallel Coax S-Video High-Flex	7/.012	FPE	None/93% TC	PVC (.110 x .230)	75	17.3
1808A	Round S-Video High Flex Design	7/.012"	FHDPE	None/90% TC	PVC (.255)	75	17.3
1829BC	RG-6/U Type Burial	1/.040"	GIFPE	DBII/60% AL	PE (.270)	75	16.2
1855A	Miniature RG-59/U Type	1/.023"	GIFHDPE	DF/95% TC	PVC (.159)	75	16.3



Wire & Cable - Coax



Coaxial Cables (cont.)

Part #	Cable Designation	Strands/Cond. Dia.	Insul. Material	Shield Type Tape/Braid	Jacket Material (OD in)	Nom. Imp	Nom. Cap (pF/Ft.)
1856A	RG-59/U Type Triaxial	1/.032"	GIFHDEP	Inner None/95% BC Outer None/95% BC	Inner PE (.216) Outer BELFX (.360)	75	16.2
1857A	RG-59/U Type Triaxial High Flex Version	19/.031"	FPE	Inner None/95% BC Outer None/95% BC	Inner PE (.216) Outer BELFX (.360)	75	17.0
1858A	RG-11/U Type Triaxial High Flex Version	19/.064	FPE	Inner None/95% BC Outer None/95% BC	Inner PE (.391) Outer BELFX (.520)	75	17.3
1859A	RG-11/U Type Triaxial Plenum	19/.064	FFEP	Inner None/95% BC Outer None/87% BC	Inner FCP (.350)	Outer FCP (.410)	75.0
1865A	Sub-Miniature RG-59/U Type	19/.021"	GIFHDPE	DF/95% TC	PVC (.150)	75	16.5
7700A	Parallel Coax S-Video Plenum	7/.012	FFEP	None/98% TC	FLM (.107 x .214)	75	17.3
7710A	RG-6 Type Bundled SDI Coax	1/.040	GIFPE	DF/95% TC	PVC-M (.770)	75	16.2
7711A	RG-6 Type Bundled SDI Coax	1/.040	GIFPE	DF/95% TC	PVC-M (.900)	75	16.2
7712A	RG-6 Type Bundled SDI Coax	1/.040"	GIFPE	DF/95% TC	PVC-M (.970)	75	16.2
7713A	RG-6 Type Bundled SDI Coax	1/.040"	GIFPE	DF/95% TC	PVC-M (1.386)	75	16.2
7731A	RG-11/U Type	1/.064	GIFPE	DF/95% TC	PVC (.405)	75	16.0
7733A	RG-8/U Type	1/.108"	FFEP	DF/90% TC	PVDF (.355)	50	24.2
82108	RG-59/U Type Plenum	1/.032"	FFEP	DF/96% TC	FLM (.202)	75	16.5
8212	RG-59/U Type	1/.032"	FPE	None/95% BC	PE (.242)	75	17.3
82120	RG-6/U Type Plenum	1/.040"	FFEP	DF/95% TC	FLM (.234)	75	16.5
8213	RG-11/U Type	1/.064	FPE	None/97% BC	PE (.405)	75	17.3
8214	RG-8/U Type	7/.108"	FPE	None/97% BC	PVC (.403)	50	26.0
8215	RG-6A/U Type	1/.028"	PE	None/96% BC None/95% BC	PE (.332)	75	20.5
8216	RG-174/U Type	7/.019"	PE	None/90% TC	PVC (.110)	50	30.8
8218	Miniature Coax	7/.017"	PE	None/93% TC	PVC (.150)	75	20.5
8219	RG-58A/U Type	19/.037"	FPE	None/96% TC	PVC (.194)	53.5	26.5
8221	RG-59/U Type	1/.0253"	FPE	None/85% BC	PVC (.242)	80	16.3
82240	RG-58A/U Type Plenum	1/.032"	FEP	None/95% TC	FLM (.159)	53.5	26.4
82241	RG-59/U Type Plenum	1/.023"	FEP	None/97% BC	FLM (.190)	75	19.5
82248	RG-6/U Type Plenum	1/.040"	FFEP	DF/65% TC	FLM (.222)	75	16.5
82259	RG-59/U Type Plenum	7/.030"	FFEP	None/95% BC	FLM (.193)	75	17.3
82262	RG-62/U Type Plenum	1/.025"	FFPE	None/94% BC	FLM (.204)	93	12.5
82269	RG-62/U Type Plenum	1/.025	SSFEP	None/94% BC	FLM (.200)	93	12.8
8232	RG-59/U Type Triaxial	1/.032"	GIFHDPE	Inner None/95% BC Outer None/80% BC	Inner PE (.225) Outer BELFX (.315)	75	17.3
8232A	RG-59/U Type Triaxial	1/.032"	GIFHDPE	Inner None/96% BC Outer None/80% BC	Inner PVC (.226) Outer PVC (.315)	75	17.3
8233	RG-11/U Type Triaxial	1/.064	FPE	Inner None/95% BC Outer None/80% BC	Inner PE (.365) Outer PE (.475)	75	17.3
8233A	RG-11/U Type Triaxial	1/.064	FPE	Inner None/95% BC Outer None/80% BC	Inner PVC (.365) Outer PVC (.475)	75	17.3
8237	RG-8/U Type	7/.085"	PE	None/97% BC	PVC (.405)	52	28.5
8238	RG-11/U Type	7/.0159	FRSFPE	None/97% BC	PVC (.405)	75	20.5
8240	RG-58/U Type	1/.033	PE	None/95% TC	PVC (.193)	51.5	29.9
8241	RG-59/U Type	1/.023"	PE	None/95% BC	PVC (.240)	75	20.5
8241A	RG-59/U Type	1/.023"	FRSFPE	None/95% BC	PVC (.242)	75	20.5
8241B	RG-59/U Type	1/.0228"	PE	None/95% BC	PVC (.242)	75	20.5
8241F	RG-59/U Type	7/.030"	FPE	None/95% BC	PVC-M (.242)	75	17.3
8254	RG-62/U Type	1/.025"	SSPE	None/95% BC	PVC (.238)	93	13.5
8255	RG-62B/U Type	7/.024"	SSPE	None/95% BC	PVC-NC (.242)	93	13.5
8259	RG-58A/U Type	19/.0072	PE	None/95% TC	PVC (.193)	50	30.8
8261	RG-11/U Type	7/.0159	PE	None/97% BC	PVC-NC (.405)	75	20.5
8262	RG-58C/U QPL M17/155/U QPL	19/.0072	PE	None/95% TC	PVC-NV (.195)	50	30.8
8263	RG-59/U Type	1/.023"	PE	None/95% BC	PVC-NC (.242)	75	20.5



Wire & Cable - Coax



Coaxial Cables (cont.)

Part #	Cable Designation	Strands/Cond. Dia.	Insul. Material	Shield Type Tape/Braid	Jacket Material (OD in)	Nom. Imp	Nom. Cap (pF/Ft.)
8267	RG-213/U QPL M17/163-00001	7/.089"	PE	None/96% BC	PVC-NC (.405)	50	30.8
8268	RG-214/U QPL M17/164-00001	7/.089"	PE	None/97% SC None/97% SC	PVC-NC (.425)	50	30.8
8279	RG-59/U Type Precision	7/.023"	PE	None/95% TC	PE (.220)	75	21
8281	RG-59/U Type Precision Video	1/.031"	PE	None/97% TC None/95% TC	PE (.305)	75	21
8281B	RG-59/U Type Precision Video	1/.031"	FRSFPE	None/97% TC None/95% TC	PVC (.305)	75	21
8281F	RG-59/U Type Precision Video	7/.0315"	PE	None/97% TC None/95% TC	PVC (.305)	75	21
82907	RG-58/U Type Thin Ethernet Plenum	19/.008	FFEP	DBII/94% TC	FLM (.160)	50	25.4
83242	RG-142B/U QPL M17/158-00001	1/.037	TFE	None/96% SC None/95% SC	FEP (.195)	50	29.0
83264	RG-179/U QPL M17/94-RG179	7/.004	TFE	None/95% SC	FEP (.100)	75	19.5
83265	RG-178B/U QPL M17/169-00001	7/.004	TFE	None/95% SC	FEP (.071)	50	29.0
83266	RG-180/U QPL M17/95-RG180	7/.004	TFE	None/95% SC	FEP (.141)	95	15.4
83267	RG-187A/U Type	7/.004	TFE	None/95% SC	TFE-T (.111)	75	19.0
83269	RG-188A/U Type	7/.0067	TFE	None/96% SC	TFE-T (.108)	50	29.0
83284	RG-316/U QPL M17/172-00001	7/.0067	TFE	None/96.5% SC	FEP (.098)	50	29.0
84142	RG-142/U QPL M17/60-RG142	1/.037	TFE	None/96% SC None/95% SC	FP (.195)	50	29.2
84303	RG-303/U QPL M17/111-RG303	1/.037	TFE	None/95% SC	FEP (.170)	50	29.2
84316	RG-316/U QPL M17/113-RG316	7/.0067	TFE	None/95% SC FEP (.098)	50.0	29.2	29.0
86262	RG-62/U Type Plenum	1/.025"	FFEP	None/94% BC	FEP (.204)	93	12.5
8700	Miniature Coax	1/.013	PP	None/90% BC	PVC (.054)	32	48.0
87120	RG-6/U Type Plenum	1/.040"	FFEP	DF/95% TC	PVDF (.234)	75	16.5
87269	RG-62/U Type Plenum	1/.025"	SSFEP	None/94% BC	PVDF (.200)	93	12.8
88232	RG-59/U Type Plenum Triax	1/.032"	FFEP	Inner None/95% BC Outer None/95% BC	Inner FEP (.188) Outer FEP (.245)	75	16.9
88240	RG-58A/U Type Plenum	1/.032"	FEP	None/95% TC	FEP (.159)	53.5	26.4
88241	RG-59/U Type Plenum	1/.023"	FEP	None/97% BC	FEP (.190)	75	19.5
88281	RG-59/U Type Precision Video Plenum	1/.032"	FEP	None/98% TC None/96% TC	PVDF (.271)	75	19.0
89108	RG-59/U Type Plenum	1/.032"	FFEP	DF/96% TC	FEP (.203)	75	16.5
89120	RG-6/U Type Plenum	1/.040"	FFEP	DF/95% TC	FEP (.234)	75	16.5
89248	RG-6/U Type Plenum	1/.040"	FFEP	DF/65% TC	FEP (.222)	75	16.5
89259	RG-59/U Type Plenum	7/.010	FFEP	None/95%BC	FEP (.193)	75	17.3
89269	RG-62/U Type Plenum	1/.025"	SSFEP	None/94% BC	FEP (.200)	93	12.8
89292	RG-11/U Type Plenum	1/.064"	FFEP	DF/63% TC	FEP (.346)	75	16.1
89555	RG-59/U Type Dual Plenum	1/.023"	FEP	None/97% BC	FEP (.212 x .424)	75	19.5
89880	RG-8/U Type Thick Ethernet Plenum	1/.108"	FFEP	DBIV/90% TC, 90% TC	PVDF (.375)	50	26.0
89907	RG-58A/U Type Thin Ethernet Plenum	19/.0375"	FFEP	DBII/93% TC	{VDF }.160)	50	25.4
89913	RG-8/U Type Plenum	1/.108"	SSFEP	DBII/90% TC	PVDF (.364)	50	25.0
9011	RG-11/U Type	1/.064"	GIFPE	DF/40% AL	PVC (.400)	75	16.2
9058	RG-6/U Type	1/.040"	GIFPE	DB+/77% AL	PVC (.275)	75	16.2
9062	RG-6/U Type Burial	1/.040"	GIFPE	DB+/77% AL	PE (.275)	75	16.2
9064	RG-11/U Type	1/.064	GIFPE	DF+/77% AL	PVC (.400)	75	16.2
9066	RG-6/U Type Burial	1/.040"	GIFPE	DBII/60% AL	PE (.270)	75	16.2
9100	RG-59/U Type	1/.032"	GIFPE	DBII/40% AL	PVC (.237)	75	16.2
9104	RG-59/U Type	1/.032"	GIFPE	DBII/67% AL	PVC (.237)	75	16.2
9110	RG-59/U Type	1/.032"	GIFHDPE	DBII/67% AL	PVC (.242)	75	16.2



Wire & Cable - Coax



Coaxial Cables (cont.)

Part #	Cable Designation	Strands/Cond. Dia.	Insul. Material	Shield Type Tape/Braid	Jacket Material (OD in)	Nom. Imp	Nom. Cap (pF/Ft.)
9116	RG-6/U Type	1/.040"	GIFPE	DBII/60% AL	PVC (.270)	75	16.2
9117M	RG-6/U Type Messengered	1/.040"	GIFPE	DBII/60% AL	PVC (.270 x .410)	75	16.2
9118	RG-6/U Type	1/.040"	GIFPE	DBIII/60% AL	PVC (.275)	75	16.2
9141	RG-59/U Type Precision Video	1/.031"	PE	None/97% TC None/95% TC	PE (.305)	75	20.0
9192	RG-11/U Type Triaxial	19/.0142	FPE	Inner None/90% BC Outer None/82% BC	Inner PE (.390) Outer PVC (.520)	75	
9201	RG-58/U Type	1/.033	PE	None/78% BC	PVC (.193)	50	29.7
9203	RG-58/UQPL M17/28-RG-58	19/.0072	PE	None/95% TC	PVC-NC (.195)	50	30.8
9204	RG-59/U QPL M17-RG59	1/.023"	PE	None/95% BC	PVC-NC (.241)	75	20.5
9209	RG-59/U Type Precision Video	1/.023"	PE	DF/95% TC	PE (.220)	75	20.5
9209A	RG-59/U Type Precision Video	1/.023"	FRSFPE	DF/95% TC	PVC (.220)	75	20.5
9212	RG-11/U QPL M17/6-RG11	7/.0159	PE	None/97% BC	PVC-NC (.405)	75	20.5
9221	Miniature Coax	7/.012"	FHDPE	None/89% TC	PVC (.097)	75	17.3
9222	RG-58A/U Type Triaxial	7/.0126	PE	Inner None/95% TC Outer None/85% TC	Inner PE (.175) Outer PVC (.240)	50	30.8
9228	RG-62A/U Type	1/.025"	SSPE	None/95% BC	HDPE (.242)	93	13.5
9231	RG-59/U Type Precision Video	1/.031"	PE	None/97% TC None/95% TC	PVC (.305)	75	21
9232	RG-11/U Type Triaxial	19/.0142	FPE	Inner None/90% BC Outer None/82% BC	Inner PE (.390) Outer H (.520)	75	17.3
9240	RG-59/U Type	1/.032"	FPE	None/80% BC	PVC (.241)	75	17.3
9244	RG-59/U Type	1/.025"	PE	None/85% BC	PVC (.242)	75	19.4
9248	RG-6/U Type	1/.040"	GIFHDPE	DF/65% TC	PVC (.270)	75	16.2
9251	RG-8/U Type	7/.085"	PE	None/97% BC	PVC-NC (.405)	52	28.5
9252	RG-122/U QPL M17/157-00001	27/.005	PE	None/95% TC	PVC-NC (.160)	50	30.8
9258	RG-8/X Type	19/.058"	GIFPE	None/95% BC	PVC (.242)	50	24.8
9259	RG-59/U Type	7/.030"	FPE	None/95% BC	PVC (.241)	75	17.3
9267	RG-59/U Type Triaxial	1/.032"	GIFHDPE	Inner None/95% BC Outer None/80% BC	Inner PE (.216) Outer H (.360)	75	16.3
9268	RG-62A/U Type	1/.025"	SSPE	None/95% BC	PVC (.260)	93	13.5
9269	RG-68A/U Type	1/.0253	SPE	None/95% BC	PVC (.240)	93	13.5
9273	RG-223/U QPL M17/167-00001	1/.034	PE	None/95% SC None/95% SC	PVC-NC (.212)	50	30.8
9274	RG-59/U Type	1/.032"	FPE	None/95% BC	PVC (.240)	75	16.3
9275	RG-59/U Type	1/.032"	GIFPE	DF/40% AL	PVC (.237)	75	16.2
9290	RG-6/U Type	1/.037"	FPE	None/95% BC None/95% BC	PVC (.288)	75	17.3
9292	RG-11/U Type	1/.064	FPE	DF/61% TC	PVC (.405)	75	17.3
9310	RG-58A/U Type	1/.033	PE	DBII/55% TC	PVC (.193)	50	31.0
9311	RG-58A/U Type	19/.0079	FPE	DBII/55% TC	PVC (.193)	52	26.0
9555	RG-59/U Type Dual	1/.023"	FRSFPE	None/95% BC	PVC (.238 x .478)	75	20.5
9659	RG-59/U Type	7/.030"	FPE	None/95% BC	PVC-NC (.242)	75	17.3
9764	RG-11/U Type Burial	1/.064	GIFPE	DF+/77% AL	PE (.400)	75	16.2
9850	RG-216/U QPL M17/77-RG216	7/.0159	PE	None/95% BC None/93% BC	PVC-NC (.425)	75	20.5
9857	RG-63/U QPL M17/31-RG63	1/.0253	SSPE	None/97% BC	PVC-NC (.405)	125	9.7
9861	RG-212/U QPL M17/162-00001	1/.0556	PE	None/95% SC None/95% SC	PVC-NC (.332)	50	30.8
9862	RG-62/U QPL M17/30-RG62	1/.025"	SSPE	None/95% BC	PVC-NC (.242)	93	13.5
9880	RG-8/U Type Thick Ethernet	1/.086"	FPE	DBIV/94% TC, 90% TC	PVC (.405)	50	26.0



Wire & Cable - Coax



Coaxial Cables (cont.)

Part #	Cable Designation	Strands/Cond. Dia.	Insul. Material	Shield Type Tape/Braid	Jacket Material (OD in)	Nom. Imp	Nom. Cap (pF/Ft.)
9888	RG-8/U Type Triaxial	7/.108"	FPE	Inner None/96% BC Outer None/96% BC	Inner PE (.370) Outer PE (.480)	50	26.0
9907	RG-58/U Type Thin Ethernet	19/.0079	FPE	DBII/93% TC	PVC (.185)	50.0	25.4
9913F7	RG-8/U Type	7/.108"	GIFHDPE	DBII/95% TC	BELFX (.405)	52	22.5
9914	RG-8/U Type	1/.103"	GIFHDPE	DBII/95% TC	PVC (.403)	50	24.8



Coaxial Cable

RG 59/U Type

Conductors are copper clad steel per ASTM B-869. Insulation/Core is solid and foamed polyethylene designs and foamed FEP design. Shield is bare copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound or PE compound. ROHS compliant.

Part #	Type	Insulation in. (mm)	Shield Coverage Nom Shld DCR	Nom. O.D. in. (mm)
C1158A	Miniature Type	0.100 (2.54)	93% Tinned Copper Braid 6.5 ohm/M	0.150 (3.81)

RG 6/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/core is solid and cellular polyethylene designs. Shield is tinned, bare copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound or PE compound. Insulation material is Cellular Polyethylene (C5810 is Solid Polyethylene). Nominal capacitance - pF/ft, pF/m is 16.20, 53.15 (C5810 is 20.50, 67.26).

Part #	AWG Size Nom. DCR	Insulation in. (mm)	Shield Coverage Nom Shld DCR	Nom. O.D. in. (mm)
C5777	18 Ga. Solid Copper Clad Steel 28.9 ohm/M	0.177 (4.50)	100% Flexfoil® Bonded +61% Tinned Copper Braid 6.5 ohm/M	0.260 (6.60)
C5802	18 Ga. Solid Copper Clad Steel 28.9 ohm/M	0.180 (4.57)	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 ohm/M	0.270 x 0.428 (6.86 x 10.87)
C5804	18 Ga. Solid Copper Clad Steel 28.9 ohm/M	0.180 (4.57)	100% Flexfoil® Bonded +60% Aluminum Braid w/ water block 9.0 ohm/M	0.270 (6.86)

RG 6/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/core is foamed polyethylene design and foamed FEP design. Shield is tinned copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound. Insulation material is Cellular Polyethylene (C3523 and C3521 Cellular FEP).

Part #	AWG Size Nom. DCR	Insulation in. (mm)	Shield Coverage Nom Shld DCR	Nom. O.D. in. (mm)
C3521	18 Ga. Solid Bare Copper 6.5 ohm/M	0.170 (4.318)	100% Flexfoil® +95% Tinned Copper Braid 2.3 ohm/M	0.233 (5.92)
C3523	18 Ga. Solid Bare Copper 6.5 ohm/M	0.170 (4.318)	100% Flexfoil® +61% Tinned Copper Braid 2.3 ohm/M	0.226 (5.74)
C5820	18 Ga. Solid Copper Clad Steel 28.9 ohm/M	0.177 (4.50)	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 ohm/M	0.267 (6.78)
C5822	18 Ga. Solid Copper Clad Steel 28.9 ohm/M	0.180 (4.57)	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 ohm/M	0.270 x 0.595 (6.86 x 15.11)
C5824	18 Ga. Solid Bare Copper 6.5 ohm/M	0.180 (4.57)	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 ohm/M	0.270 x 0.410 (6.86 x 10.41)
C5826	18 Ga. Solid Bare Copper 6.5 ohm/M	0.180 (4.57)	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 ohm/M	0.270 x 0.720 (6.86 x 17.86)

RG 6/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/core is foamed polyethylene. Shield is bare copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound. AWG Size Nom. DCR is 18 ga. solid copper clad steel 28.9 ohm/M (C5761 is 18 ga. solid bare copper 6.5 ohm/M). Insulation material is Cellular Polyethylene. Nominal capacitance - pF/ft, pF/m is 16.20, 53.15.

Part #	Type	Insulation in. (mm)	Shield Coverage Nom Shld DCR	Nom. O.D. in. (mm)
C5760	RG 6/U Type	0.180 (4.57)	100% Flexfoil® 30 Ga. CCS Spiral Served Shield 2.5 ohm/M	0.240 (6.10)
C5761	CCTV NEC CL2, CATV, CM CEC CM	0.180 (4.57)	100% Flexfoil® +95% Bare Copper Braid 2.6 ohm/M	0.270 (6.86)
C5774	NEC CL2, CATV, CM CEC CM	0.177 (4.50)	100% Flexfoil® Bonded +40% Aluminum Braid 10.5 ohm/M	0.267 (6.78)
C5775	NEC CL2, CATV, CM CEC CM	0.177 (4.50)	100% Flexfoil® Bonded +60% Aluminum Braid 9.0 ohm/M	0.263 (6.68)
C5776	NEC CL2, CATV, CM CEC CM	0.177 (4.50)	100% Flexfoil® Bonded +95% Aluminum Braid 4.4 ohm/M	0.267 (6.78)
C5785	Quad-Shield NEC CL2, CATV, CM CEC CM	0.177 (4.50)	(2) 100% Flexfoil® 1st Bonded (1) 60% (1) 40% Aluminum Braids 3.7 ohm/M	2.92 (7.42)



Wire & Cable - Coax



Coaxial Cable (cont.)

RG 62/U Type

Conductors are copper clad steel per ASTM B-869. Insulation/Core is semi-solid or foamed polyethylene designs and foamed FEP design. Shield is bare copper braid. Jacket is premium PVC compound. Packaging is 1000' (305m) reels. Other put-ups available. Applications are suitable for RF signal transmission and computer. AWG Size Nom. DCR is 22 Ga. Solid Copper Clad Steel 73.4 ohm/M except C3520 is 54.7 ohm/M. Shield Coverage Nom Shld DCR is 95% Bare Copper Braid 2.6 ohm/M except C3520 is 1.9 ohm/M. Nominal O.D. in inches (mm) is 0.242 (6.15) except C3520 is 0.201 (5.11). Nominal Capacitance pF/ft, pF/m is 13.60, 44.62 except C3520 is 13.00, 42.65. Velocity of Propagation, % is 84. Nominal Impedance, ohm is 93.



Part #	Type	Insulation Material - inches (mm)	Nominal Attenuation - MHz (dB/100')
C1164	Computer Cable JAN-C-17A Type NEC CL2, CM CEC CM	0.146 (3.66)	1(0.38), 10(0.85), 50(1.90), 100(2.70), 200(3.80), 500(5.90), 1000(8.70)

RG 8/U Type

Conductors are copper per ASTM B-3. Insulation/Core is solid and foamed polyethylene designs. Shield is tinned or bare copper braid and Flexfoil® shield. Jacket is premium PVC compound. Packaging is 1000' (305m) reels and 1000' (305m) Pull-Pac® cartons. Other put-ups available. Applications are suitable for RF signal transmission, broadcast and citizen band antenna. Nominal Impedance, ohm is 50 except C1154 is 52.



Part #	Type	AWG Size Nom. DCR	Insulation Material - inches (mm)	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)	Nominal Capacitance - pF/ft, pF/m	Velocity of Propagation, %	Nominal Attenuation - MHz (dB/100')
C1154	JAN-C-17A Type	13 Ga. (7x21) Bare Copper 1.9 ohm/M	0.285 (7.24)	95% Bare Copper Braid 1.2 ohm/M	0.405 (10.29)	29.50, 96.79	66	1(0.16), 10(0.56), 50(1.30), 100(1.90), 200(2.80), 500(4.70), 1000(7.40)
C1180	-	9 1/2 Ga. Solid Bare COpper 0.90 ohm/M	0.285 (7.24)	100% Flexfoil® Bonded +88% Tinned Copper Braid 1.8 ohm/M	0.405 (10.29)	24.60, 80.71	84	1(0.13), 10(0.40), 50(0.90), 100(1.30), 200(1.80), 500(3.00), 1000(4.50)
C1198	-	11 Ga. (19x24) Bare COpper 1.9 ohm/M	0.285 (7.24)	95% Bare Copper Braid 1.1 ohm/M	0.405 (10.29)	26.00, 85.31	78	1(0.17), 10(0.57), 50(1.20), 100(1.80), 200(2.70), 500(4.70), 1000(7.10)

Twinaxial Cables

Conductors are copper per ASTM B-3 and tinned copper per ASTM B-33. Insulation/Core is solid and foamed polyethylene designs and Lo-Cap® polypropylene designs. Shield is tinned copper braid and Flexfoil® shield. Jacket is premium PVC compound. Packaging is 1000' (305m) reels and 1000' (305m) Pull-Pac® cartons. Other put-ups available. Applications are Programmable Logic Controllers (PLC), data transmission, broadcast and computer.



Part #	Type	AWG Size Nom. DCR	Insulation Material - inches (mm)	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)	Nominal Capacitance - pF/ft, pF/m	Velocity of Propagation, %	Nominal Impedance, ohm
C8000	-	20 Ga. (7x28) (1) Tinned Copper, (1) Bare Copper 9.5 ohm/M	0.022 (0.56)	100% Flexfoil® +90% Tinned Copper Braid 2.5 ohm/M	0.330 (8.38)	15.50, 50.86	66	100
C8001	NEC CL2, CM CEC CM	20 Ga. (7x28) Tinned Copper 9.5 ohm/M	0.020 (0.51)	100% Flexfoil® +57% Tinned Copper Braid 4.1 ohm/M	0.242 (6.15)	19.17, 62.90	66	78

RG 11/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/Core is solid and foamed polyethylene designs. Shield is bare copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound or PE compound. Packaging is 1000' (305m) reels and 1000' (305m) Pull-Pac® cartons. Other put-ups available. Applications are suitable for RF signal transmission, MATV, CATV, drop cable and CCTV. Nominal Capacitance - pF/ft, pF/m is 16.20, 53.15 except C1160 is 20.50, 67.26. Nominal Impedance, ohm is 75. Material is Cellular Polyethylene except C1160 is Solid Polyethylene.



Part #	Type	AWG Size Nom. DCR	Insulation Material - inches (mm)	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)	Velocity of Propagation, %	Nominal Attenuation - MHz (dB/100')
C1160	JAN-C-17A Type	18 Ga. (7x26) Tinned Copper 6.1 ohm/M	0.285 (7.24)	95% Bare Copper Braid 1.2 ohm/M	0.400 (10.16)	66	1(0.20), 10(0.70), 50(1.30), 100(2.00), 500(4.70), 1000(7.10)
C5025	-	14 Ga. Solid Copper Clad Steel 11.4 ohm/M	0.285 (7.24)	97% Bare Copper Braid 1.2 ohm/M	0.405 (10.29)	83	1(0.30), 10(0.70), 50(1.00), 100(1.50), 200(2.20), 500(3.70), 1000(5.30)

Wire & Cable - Coax



Coaxial Cable (cont.)

RG 11/U Type

Conductors are copper clad steel per ASTM B-869. Insulation/Core is foamed polyethylene designs. Shield is bare copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound or PE compound. Packaging is 1000' (305m) reels and 1000' (305m) Pull-Pac® cartons. Other put-ups available. Applications are suitable for RF signal transmission, MATV, CATV, drop cable and direct burial. AWG Size Nom. DCR is 14 Ga. Solid Copper Clad Steel 11.4 ohm/M. Insulation Material in inches (mm) is 0.280 (7.11) Cellular Polyethylene. Nominal Capacitance - pF/ft, pF/m is 16.20, 53.15. Velocity of Propagation, % is 85. Nominal Impedance, ohm is 75. Nominal Attenuation - MHz (dB 100') is 1(0.30), 10(0.70), 50(0.90), 100(1.30), 200(1.90), 500(3.00), 1000(4.40).



Part #	Type	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)
C5029	NEC CL2, CM CEC CM	100% Flexfoil® Bonded +61% Tinned Copper Braid 3.0 ohm/M	0.395 (10.03)
C5043	MoistureGuard™ Direct Burial, Flooded	100% Flexfoil® Bonded +60% Aluminum Braid with water block 5.3 ohm/M	0.395 (10.03)

RG 174/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/Core is solid polyethylene designs. Shield is tinned or bare copper braid. Jacket is premium PVC compound. Packaging is 1000' (305m) reels. Other put-ups available. Applications are suitable for RF signal transmission, MATV, CATV and closed circuit TV.



Part #	AWG Size Nom. DCR	Insulation Material - inches (mm)	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)	Nominal Capacitance - pF/ft, pF/m	Velocity of Propagation, %	Nominal Impedance, ohm	Nominal Attenuation - MHz (dB/100')
C1156	26 Ga. (7x34) Copper Clad Steel 97.0 ohm/M	0.060 (1.52)	95% Tinned Copper Braid 10.3 ohm/M	0.103 (2.62)	30.80, 101.05	66	50	1(1.90), 10(3.30), 50(5.80), 100(8.40), 200(12.50), 500(21.21), 1000(34.00)

RG 213/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/Core is solid polyethylene designs. Shield is tinned or bare copper braid. Jacket is premium PVC compound. Packaging is 1000' (305m) reels. Other put-ups available. Applications are suitable for RF signal transmission, MATV, CATV and closed circuit TV. ROHS compliant.



Part #	Type	AWG Size Nom. DCR	Insulation Material - inches (mm)	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)	Nominal Capacitance - pF/ft, pF/m	Velocity of Propagation, %	Nominal Impedance, ohm
C1176A	MIL-C-17G Type	13 Ga. (7x21) Bare Copper 1.7 ohm/M	0.285 (7.24)	95% Bare Copper Braid 1.2 ohm/M	0.405 (10.29)	30.80, 101.05	66	50

RG 58/U Type

Conductors are copper per ASTM B-3 and tinned copper per ASTM B-33. Insulation/Core is solid and foamed polyethylene designs and foamed FEP design. Shield is tinned copper braid. Jacket is premium PVC compound or PE compound. Nominal O.D. is 0.195 in. (4.95mm) except C3519 is 0.161 (4.09). Nominal impedance is 50 ohms (C1117 is 53 ohms). Part number ending in "A" is ROHS compliant.



Part #	AWG	Insul. Material	Insulation in. (mm)	Shield Coverage Nom Shld DCR
C1117	-	20 Ga. Solid Bare Copper 10.1 ohm/M	0.116 (2.95)	70% Tinned Copper Braid 6.0 ohm/M
C1155	MIL-C-17G Type	20 Ga. (19x.0071) Tinned Copper 10.8 ohm/M	0.116 (2.95)	95% Tinned Copper Braid 4.3 ohm/M
C1166	JAN-C-17A Type	20 Ga. Solid Bare Copper 10.1 ohm/M	0.116 (2.95)	95% Tinned Copper Braid 4.3 ohm/M
C1178A	JAN-C-17A Type	20 Ga. (19x.0071) Tinned Copper 10.8 ohm/M	0.116 (2.95)	95% Tinned Copper Braid 4.3 ohm/M

RG 59/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/Core is solid and foamed polyethylene designs. Shield is bare copper braid. Jacket is premium PVC compound or PE compound. Insulation material is 0.146 in. (3.71mm) Cellular Polyethylene (C1106 is Solid Polyethylene). Shield coverage nom. shld DCR is 95% Bare Copper Braid 2.6 ohm/M (C1102 is 3.5 ohm/M). Nominal O.D. is 0.242 in. (6.15mm) except C1142 is 0.234 (5.94).



Part #	Type	AWG Size Nom. DCR
C1102	-	20 Ga. Solid Copper Clad Steel 45.9 ohm/M
C1103	CCTV NEC CL2, CATV, CM CEC CM	22 Ga. (7x30) Bare Copper 14.8 ohm/M
C1104	-	22 Ga. Solid Copper Clad Steel 73.4 ohm/M
C1106	RG 59B/U Type MIL-C-17D Type	23 Ga. Solid Copper Clad Steel 68.5 ohm/M
C1135	NEC CL2, CATV, CM CEC CM	22 Ga. Solid Copper Clad Steel 73.4 ohm/M



Wire & Cable - Coax



Coaxial Cable (cont.)

RG 59/U Type

Conductors are copper per ASTM B-3 and copper clad steel per ASTM B-869. Insulation/Core is solid and foamed polyethylene designs. Shield is tinned, bare copper or aluminum braid and Flexfoil® shield. Jacket is premium PVC compound. Packaging is 1000' (305m) reels and 1000' (305m) Pull-Pac® cartons. Other put-ups available. Applications are suitable for RF signal transmission, MATV, local area network, citizen band radio, monitor/VDT display, analog and digital video. Insulation Material in inches (mm) is 0.146 (3.71).



Part #	Type	AWG Size Nom. DCR	Shield Coverage Nom Shld DCR	Nominal O.D. - inches (mm)	Nominal Capacitance - pF/ft, pF/m	Velocity of Propagation, %	Nominal Impedance, ohm	Nominal Attenuation - MHz (dB 100')
C1112	-	22 Ga. Solid Copper Clad Steel 73.4 ohm/M	70% Bare Copper Braid 4.5 ohm/M	0.242 (6.15)	16.30, 53.48	78	80	1(0.42), 10(0.92), 50(2.44), 100(2.90), 200(5.18), 500(5.70), 1000(8.12)
C8005	RG 59/U Dual-Type NEC CL2, CM CEC CM	23 Ga. Solid Copper Clad Steel 68.5 ohm/M	100% Flexfoil® +95% Tinned Copper Braid 2.9 ohm/M	0.242 x 0.498 (6.15 x 12.65)	21.00, 68.90	66	73	1(0.44), 10(1.02), 50(2.44), 100(3.55), 200(5.18), 500(8.59), 1000(13.56)

RG 59/U Type

Conductors are copper clad steel per ASTM B-869. Insulation/Core is foamed polyethylene designs. Shield is aluminum braid and Flexfoil® shield. Jacket is premium PVC compound. AWG size nom. DCR is 20 Ga. Solid Copper Clad Steel 45.9 ohm/M (C5770 is 22 Ga. Solid Copper Clad Steel 73.4 ohm/M). Insulation material is 0.144 in. (3.66mm) Cellular Polyethylene. Nominal impedance is 75 ohm (C5770 is 80 ohm).



Part #	Type	Shield Coverage Nom Shld DCR	Nom. O.D. in. (mm)
C5770	NEC CL2, CATV, CM CEC CM	100% Flexfoil® Bonded +40% Aluminum Braid 11.0 ohm/M	0.231 (5.87)
C5780	MATV NEC CL2, CATV, CM CEC CM	100% Flexfoil® Bonded +40% Aluminum Braid 11.0 ohm/M	0.234 (5.94)




Coaxial Cables

Non-plenum. Material guide: AB (aluminum braid); A/P (aluminum polyester); A/P/A (aluminum/polyester/aluminum); BC (bare copper); CW (copper coated steel); FEP (fluorinated ethylene-propylene); FPE (cellular foam polyethylene); FPP (cellular foam polypropylene); NCV (non-contaminating polyvinylchloride Type I); PE (solid polyethylene); PVC (polyvinylchloride); SC (silver coated copper); SCCS (silver coated copper covered steel); SCW (silver coated copper coated steel); SSP (semi-solid polyethylene); SST (semi-solid Teflon®); TC (tinned copper); V (polyvinylchloride Type I).




Part #	Type	Cond. AWG (mm²)	Cond. Strand (mm)	Cond. Material	Dielectric Material	Dielectric Dia. inches (mm)	Shield Material	Shield Nom. Cov%
9008	8/U	13 (2,88)	7/21 (7 x 0,73)	BC	PE	0.285 (7,24)	BC Braid	96
9055	55/U	20 (0,52)	Solid	BC	PE	0.116 (2,95)	Double TC Braid	99
9059	59/U	22 (0,32)	Solid	CW	PE	0.146 (3,71)	BC Braid	95
9062	62/U	22 (0,32)	Solid	CW	SSP	0.146 (3,71)	BC Braid	81
9174	174/U	26 (0,14)	7/34 (7 x 0,16)	CW	PE	0.060 (1,52)	TC Braid	88

Part #	Type	Cond. AWG (mm²)	Cond. Strand (mm)	Cond. Material	Dielectric Material	Dielectric Dia. inches (mm)	Shield Material	Shield Nom. Cov %
9845	Dual 59 B/U	23 (0,26)	Solid	CW	PE	0.146 (3,71)	BC Braid	95
9830	59/U	22 (0,32)	Solid	CW	PE	0.146 (3,71)	BC Braid	80




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Wire & Cable - Coax



Coaxial Cable

75 Ohm - CATV Drop Cables

Conductor is solid bare copper covered steel. Insulation is foam polyethylene.

Part #	RG/U Type	AWG	Nom. Core O.D.	Nom. O.D.
M4279	6A/U	18	.180"	.270"

75 Ohm - Precision Video Cables - Non-Plenum

Conductor is solid bare copper covered steel. Insulation is polyethylene.

Part #	RG/U Type	AWG	Nom. Core O.D.	Nom. O.D.
M4265	59/U	23	.164"	.242"

Coaxial/Twinaxial - Computer-LAN Cables - Non-Plenum

Conductor is solid bare copper covered steel. Insulation is semi-solid polyethylene.

Part #	RG/U Type	AWG	Nom. Core O.D.	Nom. O.D.
M4276	62A/U	22	.146"	.240"

RG/U Type - Non-Plenum

Part #	RG/U Type	AWG	Nom. Core O.D./ Nom. O.D.	Conductor	Insulation
M4201	8 A/U	13	.285"/.405"	Stranded bare copper	Polyethylene
M4209	58/U	20	.116"/.196"	Solid bare copper	Polyethylene
M4237	59/U	22	.146"/.242"	Stranded bare copper	Foam polyethylene
M4214	174/U	26	.059"/.110"	Stranded bare copper covered steel	Polyethylene

High Temperature MIL-C-17

Conductor is stranded silver coated copper covered steel. Insulation is semi-solid polyethylene.

Part #	RG/U Type	Cond. O.D.	Nom. Core O.D.	Nom. O.D.
M4256	188A/U	.020"	.058"	108"

MIL-C-17

Conductor is solid silver coated copper. Insulation is polyethylene.

Part #	RG/U Type	AWG	Nom. Core O.D.	Nom. O.D.
M4218	223/U	19	.116"	.210"



Coaxial Cable

(cont.)

Triaxial/Coaxial - High Definition Cables - Non-Plenum

Solid bare copper conductor. Foam polyethylene insulation. Shield is bare copper double braids 95% coverage. Black PVC jacket.

Part #	RG/U Type	AWG	Nom. Core O.D.	Nom. O.D.
M8021	59/U	22	.144"	.360"
M8022	11/U	14	.312"	.520"
M8023	59/U	20	.140"	.238"
M8024	6/U	18	.178"	.270"
M8025	59/U	23	.091"	.160"



TEW Single Conductor Wire - Rated 105C

Meets UL, CSA, MTW, TW, AWM, 1015/1230/1345 specifications. PVC insulated. Multi-rated for internal wiring of appliances and equipment. For use in wiring industrial machines. Bare copper construction. Rated 600 volts. Temperature rating 105°C (221°F). Suitable for wet or dry applications. Shown in black. Change suffix C to M for 1000' spool.

Part #	Gauge	Stranding	O.D.	Available Colors
8010 0-C	10	105/30	.180	Blue, Green, Red, White
8012 0-C	12	65/30	.156	Blue, Brown, Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8014 0-C	14	41/30	.138	Blue, Brown, Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8016 0-C	16	26/30	.123	Blue, Brown, Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8018 0-C	18	16/30	.112	Blue, Brown, Green, Orange, Red, White, Yellow, Grey, Purple, Pink

Wire & Cable - LAN



DataTwist® 5 ScTP Cables

TIA/EIA-568-A, Category 5 Nonbonded-pair cables. 24 AWG solid bare copper conductors. Twisted pairs. Overall Beldfoil® Shield. Drain wire. RJ-45 compatible. Max DCR (ohm/100m) is 9.38. Max DCR unbalance is 3%. Max cap. unbal. (pF/100m) is 300.



Plenum - FEP Teflon® Insulation - Flamarrest® Jacket

Available in red, orange, yellow, green, blue, purple, gray or natural.

Part #	No. Pairs	Std. Lgth ft (m)	Nom. O.D. in. (mm)
1624P	4	1000 (304.8), U-1000 (U-304.8)	.230 (5.84)

DataTwist® 5 ScTP Cables (cont.)

Non-Plenum - Polyolefin Insulation - PVC Jacket

Available in red, orange, yellow, green, blue, gray or black.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1533R	4	1000 (304.8), A-1000 (A-304.8), 1640 (500)	.260 (6.60)

Plenum - FEP Teflon® Insulation - Flamarrest® Jacket

Jacket available in red, orange, yellow, green, blue, gray, black or natural.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1533P	4	1000 (304.8), A-1000 (A-304.8)	.235 (6.00)

Local Area Network

Non-Plenum - Dual - Polyolefin Insulation - Gray PVC Jacket with Polarity Rib

24 AWG solid bare copper conductors. Twisted pairs. Overall Beldfoil® shield. Drain wire. Rip cord. Max. DCR (ohm/100m) is 9.38. Max. DCR unbalance is 5.0%. Max cap unbalance (pF/100m) is 330.



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1668A	2x4	1000 (304.8), 1640 (500)	.518 x .254 (13.16 x 6.45)

Superior Performance Twisted Pair Data Cables - DataTwist® 350 - Plenum

24 AWG solid bare copper, FEP insulated, 4 twisted pairs-each with adjoined singles, ripcord, Flamarrest® jacket in red, yellow, green, blue, purple, or natural, sequentially marked at two foot intervals. 3000 ft.put-up available in blue, yellow and natural. Color Codes: 1-White/Blue Stripe, Blue, 2-White/Orange Stripe, Orange, 3-White/Green Stripe, Green, 4-White/Brown Stripe, Brown. NEXT-Near End Crosstalk.



Part #	UL NEC C(UL) CEC Type	No. of Pairs	Standard Lengths - ft, m	Std. Unit Lbs. ea.	Insulation Thickness - Inch, mm	Nominal O.D. - Inch, mm	Max. DCR-ohms/100m	Max. DCR Unbal. %
1701A	NEC CMP C(UL) CEC CMP	4	1000(304.8),U-1000(A-304.8), 3000(914.4)	25.1,30.5,73.4	.008, .203	.195, 4.95	9.0	5
1703A	NEC CMP C(UL) CEC CMP	2 x 4	1000 (304.8)	23.0 (10.5)	-	-	-	-

Local Area Network - IEEE 802.4 MAP & Mini-MAP/IEEE 802.7 Broadband Coax



Non-Plenum - RG-11/U-Type - Gas-Injected Foam Polyethylene Insulation - Gray PVC Jacket

14 AWG solid bare copper-covered steel conductor. Duobond IV Quad shield (100%) coverage. Nominal impedance is 75 ohms. Nom. vel. of prop. is 82%.

Part #	Std. Lgth ft (m)	Cond. Nom. DCR	Nom. Core OD in (mm)	Shield Nom. DCR	Nom. OD in (mm)	Nom. Cap pF/Ft (pF/m)
3094A	500 (152.4), 1000 (304.8), 2000 (609.6)	11.0 ohm/M' (36.1 ohm/km)	.280 (7.11)	1.5 ohm/M' (4.9 ohm/km)	.407 (10.34)	16.2 (53.1)

Local Area Network - IEEE 802.4 MAP & Mini-MAP/IEEE 802.7 Broadband Coax (cont.)

Plenum - RG-11/U-Type - Foam FEP Insulation - Gray Fluorocopolymer Jacket

14 AWG solid bare copper-covered steel conductor. Duobond IV Quad shield (100%) coverage. Nominal impedance is 75 ohms. Nom. vel. of prop. is 82%.

Part #	Std. Lgth ft (m)	Cond. Nom. DCR	Nom. Core OD in (mm)	Shield Nom. DCR	Nom. OD in (mm)	Nom. Cap pF/Ft (pF/m)
3095A	1000 (304.8)	11.0 ohm/M' (36.1 ohm/km)	.280 (7.11)	3.9 ohm/M' (12.8 ohm/km)	.387 (9.83)	16.5 (54.1)

Non-Plenum - RG-6/U-Type - Gas-Injected Foam Polyethylene Insulation - Gray PVC Jacket

18 AWG solid bare copper-covered steel conductor. Duobond® IV Quad Shield (100% coverage). Nominal impedances is 75 ohm. Nom. vel. of prop. is 82%.

Part #	Std. Lgth ft (m)	Cond. Nom. DCR	Nom. Core OD in (mm)	Shield Nom. DCR	Nom. OD in (mm)	Nom. Cap pF/Ft (pF/m)
3131A	1000 (304.8), 2500 (762.2)	28.0 ohm/M' (91.8 ohm/km)	.180 (4.57)	3.6 ohm/M' (11.8 ohm/km)	.300 (7.62)	16.2 (53.1)

Plenum - RG-6/U-Type - Foam FEP Insulation - Gray Fluorocopolymer Jacket

18 AWG solid bare copper-covered steel conductor. Duobond® IV Quad Shield (100% coverage). Nominal impedances is 75 ohm. Nom. vel. of prop. is 82%.

Part #	Std. Lgth ft (m)	Cond. Nom. DCR	Nom. Core OD in (mm)	Shield Nom. DCR	Nom. OD in (mm)	Nom. Cap pF/Ft (pF/m)
3132A	1000 (304.8)	28.0 ohm/M' (91.8 ohm/km)	.170 (4.32)	3.6 ohm/M' (11.8 ohm/km)	.274 (6.96)	16.3 (53.5)



Wire & Cable - LAN



Local Area Network - IEEE 802.3 - ISO/IEC 8802.3 10Base5

Nominal impedance is 78 ohms. Nom. vel of prop is 78% (66% for 9903).
*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

Non-Plenum - Polypropylene Insulation - Light Gray PVC Jacket

28 and 24 AWG stranded TC conductors. Twisted pairs. Overall polyester isolation tape + Duofoil® + TC braid shield (92% coverage). Drain wire. UL AWM Style 2919 (30V 80°C). Color code: gray/white, yellow/orange, blue/green, black/red.

Part #	No. of Pairs	Std. Lgth ft (m)	Nom. OD in (mm)	Nom. Cap pF/Ft. (pF/m)*	Nom. Cap pF/Ft. (pF/m)**
9903	4	500 (152.4) 1000 (304.8)	.250 (6.35)	19.7 (64.6)	34.8 (114.2)

Non-Plenum - Datalene® Insulation - Light Gray PVC Jacket

20 AWG stranded (7x28) TC conductors. Twisted pairs. Overall polyester isolation tape + Duofoil® + TC braid shield (95% coverage). Drain wire. UL AWM Style 2919 (30V 80°C). 9901 Color code: gray/white, yellow/orange, blue/green, black/red. 9902 Color code: gray/white, yellow/orange, blue/green, red/brown, red/black.



Part #	No. of Pairs	Std. Lgth ft (m)	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
9901	4	500 (152.4), 1000 (304.8)	.415 (10.54)	16.7 (54.8)	29.5 (96.8)
9902	5	500 (152.4), 1000 (304.8)	.495 (12.58)	16.7 (54.8)	29.5 (96.8)

Plenum - FEP Teflon® Insulation - Light Gray Fluorocopolymer (PVDF) Jacket

20 AWG stranded (7x28) TC conductors. Twisted pairs. Overall polyester isolation tape + Duofoil® + TC braid shield (95% coverage). Drain wire. 150°C. Color code: gray/white, yellow/orange, blue/green, red/black.



Part #	No. of Pairs	Std. Lgth ft (m)	Nom. OD in (mm)	Nom. Cap. pF/Ft. (pF/m)*	Nom. Cap. pF/Ft. (pF/m)**
89901	4	500 (152.4), 1000 (304.8)	.370 (9.40)	16.7 (54.8)	29.5 (96.8)

Network Cable

Part #	No. of Pairs	Nominal Jacket Thickness Inch.	Nom. O.D. Inch.	PF/FT	Description
M19054	4	.025	.195	14	UTP Category 5 Non-Plenum
M19094	4	.020	.250	14	ScTP Category 5 Foil Shield - Overall Non-Plenum

Part Number	No. of Pairs	Nominal Jacket Thickness Inch.	Nom. O.D. Inch.	PF/FT	Description
M49054	4	.015	.177	14	UTP Category 5 Plenum
M49094	4	.015	.226	13	ScTP Cat5e Foil Shield - Overall Plenum
M15000	4	.020	.200	14	UTP Cat5e Non-Plenum
M15001	4	.020	.260	14	ScTP Cat5e Foil Shield - Overall Non-Plenum
M45000	4	.015	.186	14	UTP Cat5e Plenum
M45001	4	.015	.229	14	ScTP Cat5e Foil Shield - Overall Plenum



Wire & Cable - UTP



DataTwist® 5e UTP Cable - 24 AWG Solid Bare Copper

Non-Plenum - Polyolefin Insulation - PVC Jacket

Available in red, orange, yellow, green, blue, purple, light gray, white or black. Patch cable - 24 AWG stranded (7x32) bare copper conductors. Twisted pairs. RG-45 compatible.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1592A	4	U-1000 (U-304.8), 1000 (304.8)	.213 (5.41)

Non-Plenum - Polyolefin Insulation - PVC Jacket

Available in red, orange, yellow, green, blue, gray or white.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1500A	4	1000 (304.8), A-1000 (A-304.8)	.190 (4.83)
1500R	4	1000 (304.8), A-1000 (A-304.8)	.194 (4.93)

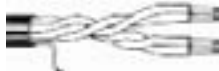
Plenum - Dual FRPO/FEP Insulation - Flamarrest® Jacket

Available in red, orange, yellow, green, blue, gray, white or natural.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1501A	4	1000 (304.8), A-1000 (A-304.8)	.190 (4.83)

DataTwist® 5e UTP Cable - 24 AWG Solid Bare Copper

TIA/EIA-568-B.2, Category 5e Nonbonded-Pair Cables. Max DCR (ohm/100m) is 9.38 (9.0 for 1500A, 1500R, 1501A). Max DCR unbalance is 3.0% (5.0% for 1588A and 1588R). Max cap unbalance (pF/100m) is 330 (66.0 for 7997A, 200 for 1500A, 1500R, 1501A).



Non-Plenum - Polyolefin Insulation - Fluorescent Pink PVC Jacket

Part #	No. of Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1583B	4	U-1000 (U-304.8), 1000 (304.8)	.195 (4.95)

Non-Plenum - Polyolefin Insulation

Available in dark gray or blue.

Part #	No. of Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1588A	2	U-1000 (U-304.8), 1000 (304.8), 1640 (500.0)	.183 (4.65)
1588R	2	U-1000 (U-304.8), 1000 (304.8)	.183 (4.65)

Non-Plenum - Polyolefin Insulation

Available in white, black, gray, blue, red, orange, yellow, green or pink.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1583A	4	U-1000 (U-304.8), 1000 (304.8), 1640 (500.0), 3000 (914.4)	.195 (4.95)
1583R	4	U-1000 (U-304.8), 1000 (304.8), 3000 (914.4)	.197 (5.00)

Plenum - FEP Teflon® Insulation - Flamarrest® Jacket

Available in natural or blue.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1590A	2	1000 (304.8)	.175 (4.44)

DataTwist® 5e UTP Cable - 24 AWG Solid Bare Copper (cont.)

Plenum - FEP Teflon® Insulation - Flamarrest® Jacket

Available in red, orange, yellow, green, gray, white, black, pink, natural or blue.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1585A	4	U-1000 (U-304.8), 1000 (304.8), 3000 (914.6)	.198 (5.03)

Plenum - FEP Teflon Insulation - Fluorescent Pink Flamarrest® Jacket

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1585B	4	1000 (304.8)	.197 (5.00)

Plenum - FEP Teflon® Insulation - FEP Jacket

Available in blue or white. Limited combustible.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1585LC	4	U-1000 (U-304.8)	.195 (4.95)

Local Area Network

DataTwist® 350 UTP Patch Cable

TIA/EIA-568-B.2, Category 5e enhanced Cat 5e Bonded-Pair Cables. 24 AWG bonded pairs stranded (7x32) tinned copper conductors. RJ-45 compatible. Max DCR (ohm/100m) is 9.0. Max DCR unbalance is 3.0%. Max. cap unbalance (pF/100m) is 66.0.



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1752A	4	U-1000 (U-304.8), 1000 (304.8)	.220 (5.59)

DataTwist® 5 UTP Cable - TIA/EIA-568-A, Cat 5 Nonbonded Pair Cable

24 AWG solid bare copper conductors. Twisted pairs. Rip cord. Non Plenum. Polyolefin Insulation. PVC Jacket (available in light gray or blue). Max. DCR (ohm/100m) is 9.38. Max DCR unbalance is 5.0%. Max cap. unbalance (pF/100m) is 330.

Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1864A	25	1000 (304.8)	.526 (13.36)

DataTwist® 3 UTP Cables

TIA/EIA-568-A, Category 3 Nonbonded-pair cables. 24 AWG solid bare copper conductors. Twisted pairs. Nominal DCR is 28.0 ohm/M' and 91.8 ohm/km. Nominal impedance is 100. Nominal capacitance is 19.0 pF/ft (62.3 pF/m).



Non-Plenum - Polyolefin Insulation - Gray PVC Jacket

Part #	No. Pairs	Std. Lgth ft (m)	Nom. OD in (mm)
1227A1	2	U-1000 (U-304.8)	.173 (4.39)
1229A1	4	U-1000 (U-304.8)	.197 (5.00)
1232A1	25	1000 (304.8)	.399 (10.14)

Plenum - Low-Smoke PVC Insulation - White Low-Smoke PVC Jacket

Part #	No. Pairs	Std. Lgth ft (m)	Nom. OD in (mm)
1243A2	2	U-1000 (U-304.8)	.170 (4.32)
1245A2	4	U-1000 (U-304.8)	.200 (5.08)

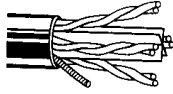


Wire & Cable - UTP



DataTwist® 600e UTP Enhanced Category 6 Bonded-Pair Cables

TIA/EIA-568-B.2-1. 23 AWG bonded pairs solid bare copper. Patented E-Spline Center Member. Rip cord. Available in red, orange, yellow, green, blue, black, white, gray (7851A only), dark gray (7852A only).



Non-Plenum - Polyolefin Insulation - PVC Jacket

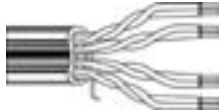
Part #	No. Pairs	Std. Lgth ft. (m)	Insul. Thick. in. (mm)	Nom. O.D. in. (mm)
7851A	4	1000 (304.8)	.009 (.23)	.225x.310 (5.72x7.87)

Plenum - FEP Teflon Insulation - Flamarrest® Jacket

Part #	No. Pairs	Std. Lgth ft. (m)	Insul. Thick. in. (mm)	Nom. O.D. in. (mm)
7852A	4	1000 (304.8)	.008 (.20)	.215x.290 (5.46x7.37)

MediaTwist® UTP Cable - Enhanced Category 6 Bonded-Pair Cables

TIA/EIA-568-B.2-1 cables. 23 AWG bonded pairs solid bare copper conductor. Rip cord. Max DCR (ohm/100m) is 9.0. Max. DCR unbalance is 3%. Max. cap unbal (pF/100m) is 49.2.



Non-Plenum - Polyolefin Insulation - PVC Jacket

Available colors are blue, red, yellow, orange, green, gold, purple, white, black or gray.

Part #	No. Pairs	Std. Lgth ft. (m)	Nom. OD in (mm)
1872A	4	1000 (304.8), A-1000 (A-304.8)	.365 x .165 (9.27 x 4.19)

Plenum - FEP Teflon® Insulation - Flamarrest® Jacket

Available colors are blue, natural, gray, red, yellow, orange, green, gold, purple, white or black.

Part #	No. Pairs	Std. Lgth ft. (m)	Nom. OD in (mm)
1874A	4	1000 (304.8), A-1000 (A-304.8)	.365 x .165 (9.27 x 4.19)

DataTwist® 6 UTP Category 6 Unbonded-Pair Cables

TIA/EIA-568-B.2-1 cables. 23 AWG solid bare copper. Twisted pairs. Central rod filler. Rip cord. Available colors are red, orange, yellow, green, blue, gray, black, white (7881A only), natural (7882A only).

Non-Plenum - Polyolefin Insulation - PVC Jacket

Part #	No. Pairs	Std. Lgth ft. (m)	Insul. Thick. in. (mm)	Nom. O.D. in. (mm)
7881A	4	1000 (304.8)	.009 (.23)	.235 (5.97)

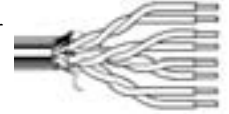
Plenum - FEP Teflon Insulation - Flamarrest® Jacket

Part #	No. Pairs	Std. Lgth ft. (m)	Insul. Thick. in. (mm)	Nom. O.D. in. (mm)
7882A	4	1000 (304.8)	.008 (.20)	.224 (5.69)



DataTwist® 350 UTP Cable, Category 5e

TIA/EIA-568-B.2, Enhanced Category 5e Bonded-Pair Cables 24 AWG Bonded-Pairs, solid bare copper conductors. Rip cord. Max. DCR (ohm/100m) is 9.0. Max. DCR unbalance is 3.0%. Max cap unbalance (pF/100m) is 66.0.



Plenum - FEP Teflon® Insulation

FEP jacket is available in blue or white. Does not have a rip cord. Limited combustible.

Part #	No. of Pairs	Std. Lengths Ft. (m)	Insul. Thick. in (mm)	Nom. O.D. in (mm)
1701LC	4	U-1000 (U-304.8) 1000 (304.8)	.008 (.20)	.187 (4.75)

Non-Plenum-Polyolefin Insulation

PVC jacket is available in red, orange, white, black, yellow, green, blue, purple, light gray or gray. 1000 ft. put-up not available in gray. 3000 ft. put-up available in red, blue, purple, white or light gray only. 1640 ft and 3280 ft put-ups available in light gray or blue only. U-1000 ft. put-ups not available in black or gray.

Part #	No. of Pairs	Std. Lengths Ft. (m)	Insul. Thick. in (mm)	Nom. O.D. in (mm)
1700R	4	U-1000 (U-304.8) 1000 (304.8) 3000 (914.4)	.009 (.23)	.204 x 5.18

DataTwist® 350 UTP Patch Cable

TIA/EIA-568-B.2, Category 5e enhanced Cat 5e Bonded-Pair Cables. 24 AWG bonded pairs stranded (7x32) tinned copper conductors. RJ-45 compatible. Max DCR (ohm/100m) is 9.0. Max DCR unbalance is 3.0%. Max. cap unbalance (pF/100m) is 66.0.



Part #	No. Pairs	Std Lgth ft (m)	Nom. OD in (mm)
1752A	4	U-1000 (U-304.8), 1000 (304.8)	.220 (5.59)



Category 6 Cable - Pull-Pac® II

Unique tape design engineered for smaller overall diameter and ease of installation. Characterized and tested to 500 MHz. TRU-Mark™ print legend contains footage marking from 1000' to 0'. Unique product-specific packaging for ease of identification. UL verified for guaranteed performance. Application assurance warranty. Construction: Conductors 23 AWG solid bare annealed copper. Separator: Tape. Insulation: Non-Plenum: Polyolefin, Plenum: 3 pairs FEP/1 pair Polyolefin. Color Code: Pair 1: Blue-White/Blue, Pair 2: Orange-White/Orange, Pair 3: Green-White/Green, Pair 4: Brown-White/Brown. Rip Cord: applied longitudinally under jacket. Jacket: Non-Plenum: Flame-Retardant PVC. Plenum: Low-Smoke, Flexguard® Flame-Retardant PVC.

CMR (Non-Plenum)

Part #	Jacket Color
CR6.30.07	Blue
CR6.30.02	White

CMP (Plenum)

Part #	Jacket Color
CP6.30.07	Blue
CP6.30.02	White



Wire & Cable - UTP



Category 5e - Indoor / Outdoor Wire

250 MHz, UTP, Spec. 7270, Type CMX Outdoor-CMR. Conductors are 24 AWG solid bare annealed copper. Insulation is flame retardant polyolefin. The O.D. (Inches) is 0.21. The Weight (Lbs/Kft) is 26. Four Pairs. Rip cord is applied longitudinally under jacket. Jacket is flame retardant PVC, sequential footage markings, and a temperature rating of -40°C to +75°C. Features include: UL dual listed CMX OUTDOOR-CMR, CMX OUTDOOR rating enables the wire to be used in outdoor applications*, UL listed type CMR for installation in vertical riser and general horizontal applications when installed in accordance with NEC Article 800-51 (b) (g), suitable for high-speed data transmission (i.e., 100 Mbps, 155 Mbps, etc.). Applications include: voice, T1, 10 BASE-T (IEEE 802.3), 4/16 Mbps Token Ring (IEEE 802.5), 100 Mbps TP-PMD (ANSI X3T9.5), 100 BASE-T (IEEE 802.3), 52/155 Mbps ATM, 1000 BASE-T (Gigabit Ethernet). Compliant with ANSI/TIA/EIA 568B.2 (Category 5e), NEMA WC63.1 (Category 5e), ANSI/ICEA S-100-685, UL Listed Type CMX OUTDOOR-CMR, c(UL) CMG. Packaging includes Pull-Pac® Carton (PP).

Part #	Jacket Color
2137113e	Ivory
2137114e	L.O. Gray

Category 5e - Plenum Cable

250MHz, UTP, Spec. 8482, Type MPP/CMP. The conductors are 24 AWG solid bare annealed copper. The insulation is FEP. The O.D. (Inches) is 0.18. The Weight (Lbs/Kft) is 19. The pairing is varying short pair lays. Rip cord applied longitudinally under jacket. Jacket is Flexguard® flame retardant PVC, 0°C low temperature handling rating and has sequential footage markings. Features include: All pair counts meet Category 5e Power Sum backbone transmission requirements, suitable for high speed data transmission (i.e., 100 Mbps, 155 Mbps 155 Mbps & Gigabit Ethernet), UL listed Type MPP/CMP for installation in ducts, plenums, and other spaces used as environmental air returns when installed in accordance with the NEC Article 800-51 (a) (g). Applications include voice, T1, 10 BASE-T (IEEE 802.3), 4/16 Mbps Token Ring (IEEE 802.5), 52/155 Mbps ATM, 100VG-AnyLAN, 100 Mbps TP-PMD (ANSI X 3T9.5), 100 BASE-T (IEEE 802.3), 1000 BASE-T (IEEE 802.3ab). Compliant with ANSI/TIA/EIA 568B.2 (Category 5e), ANSI/ICEA S-90-661 (Category 5e), NEMA WC63.1 (Category 5e), UL Listed Type MPP/CMP, c(UL) CMR. Packaging includes 1000ft Pull-Pac® Carton (PP), 1000ft Spool-Pac® (SPC), 1000ft spool (SP), 1000ft non-returnable reel (RL). *25 pair backbone cable is laid up with pairs 1-24 formed into 6 unjacketed 4-pair bundles and cabled around the jacketed 25th pair. this cable only meets Category 5 requirements.

Part #	Pairs	Jacket Color	PKG	O.D. (inches)	Weight (Lbs/Kft)
5131278e	4	Blue	PP	0.18	19
5131361e	4	White	PP	.18	19
5131418e	4	gray	PP	0.18	19
5131431e	4	Blue	SPC	0.18	19
5131450e	4	White	SPC	.18	19

Category 5e - Riser Cable

Conductors include 24 AWG solid bare annealed copper. Insulation is polyolefin. Varying is short pair lays. Rip cord applied longitudinally under jacket. Jacket is flame retardant PVC, and has sequential footage markings. Features include all pair counts meet Category 5e Power Sum backbone transmission requirements. Suitable for high-speed data transmission (i.e., 100Mbps, 155 Mbps & Gigabit Ethernet). UL Listed Type MPR/ CMR for installation in vertical risers and general horizontal applications, when installed in accordance with the NEC Article 800-51 (b) (g). Pairs are 4 (except 2133269 is 25). O.D. (inches) is .020 (except 2133269 is 0.55).

Part #	Jacket Color
5133200e	Gray
5133255e	White
5133299e	Blue
5133329e	Gray
5133374e	Blue

PlatinumPLUS™ -350MHz - Riser Cable

Premium Category 5e, UTP, Spec. 6480, Type MPR/CMR. The conductors are 24 AWG solid bare annealed copper. The O.D. (Inches) is 0.12 and the Weight (Lbs/Kft) is 22. Insulation is polyolefin. Varying pair lays. Rip cord applied longitudinally under jacket. Jacket is flame retardant PVC, TRU-Mark™ print legend contains footage marking from 1000ft to 0ft. Features include sweep tested and characterized to 350 MHz, typical applications include 100 BAST-T & Gigabit Ethernet (IEEE 802.5) and 52/155 Mbps ATM, every master reel is tested for electrical performance, exceeds category 53 transmission requirements. UL listed type MPR/ CMR for installation in vertical riser and general horizontal applications when installed in accordance with NEC Article 800-51 (b) (g). Applications include 10 BASE-T, 4/16 Mbps token Ring, 100 BASE VG AnyLAN, 100 BASE-T, 52/155 Mbps ATM, 1000 BASE-T (Gigabit Ethernet). Compliances include ISO/ IEC 11801, ANDSI/TIA/EIA 568B.2 (Category 5e), ANSI/ICEA S-90-661 (Category 5e), NEMA WC 63.1 (Category 5e), UL listed type MPR/ CMR, c(UL) CMG. Packaging includes 1000ft of Pull-Pac® II carton (PP) and 1000ft Spool-Pac® (SPC). Includes 4 pairs.

Part #	Jacket Color	PKG
6133299	Blue	PP
6133403	Blue	SPC

Category 5 - Plenum Cable

ScTP, Spec. 4469, Type CMP. Conductors are AWG solid bare annealed copper. Insulation FEP. Four Pairs. The O.D (Inches) is 0.21. The weight (lbs/kft) is 23. Pairing is varying short pair lays. Rip cord is applied longitudinally under jacket. Core type is Mylar tape. Drain Wire 24 AWG 7/32 tinned copper. Shield polyester backed aluminum foil. Jacket is flame retardant PVC and has sequential footage markings. Features include: reduces effect of EMI/RFI in hostile electromagnetic environments, suitable for high-speed data transmission (i.e., 100 Mbps, 155 Mbps, etc.), UL Listed Type CMP for installation in ducts, plenums, and other spaces used as environmental air returns, when installed in accordance with the NEC Article 800-51 (a) (g). Applications include: voice, T1, 10 BASE-T (IEEE 802.3), 4/16 Mbps Token Ring (IEEE 802.5), 100 VG-AnyLAN, 100 MBPS TP-PMD (ANSI X3T9.5), 100 BASE-T (IEEE- 802.3), 52/155 Mbps ATM. Compliant ANSI/TIA/EIA 568A (Category), ANSI/ICEA S-90-661 (Category 5), NEMA WC63.1 (Category 5), UL Listed Type CMP, c(UL) CMP. Packaging includes 1000ft spool (SP).

Part #	Jacket Color
2131611	Blue
2131673	Gray

GenSPEED™ 5500 CMP - 350 MHz

Conductors are 24 AWG solid bare annealed copper. Insulation is FEP. Color code is Brown + White/Brown. Rip cord is applied longitudinally under jacket. Jacket is low-smoke, Flexguard® Flame-Retardant PVC. Jacket color is blue. Nominal cable diameter in inches is 0.190. Minimum bend radius is 1.0. Maximum pulling force (lbs) is 25.

Part #	Description
6131278	GenSPEED™ 5500 CMP - 350 MHz
6131433	GenSpeed™ 5500/PlatinumPLUS CMP - 350 MHz



Wire & Cable - UTP



Category 5e Cable - Pull-Pac® II

Characterized and tested to 250 MHz. TRU-Mark™ print legend contains footage marking from 1000' to 0'. Unique product-specific packaging for ease of identification. UL verified for guaranteed performance. Application assurance warranty. Conductors 24 AWG solid bare annealed copper. Insulation: Non-Plenum: Polyolefin. Plenum: 3 pairs FEP/1 pair Polyolefin. Color Code: Pair 1: Blue-White/Blue, Pair 2: Orange-White/Orange, Pair 3: Green-White/Green, Pair 4: Non-Plenum: Brown-White/Brown, Plenum: Brown-White. Rip Cord: applied longitudinally under jacket. Jacket: Non-Plenum: Flame Retardant PVC. Plenum: Low-Smoke, Flexguard® Flame-Retardant PVC.

CMR (Non-Plenum)

Part #	Jacket Color
CR5.30.07	Blue
CR5.30.02	White
CR5.30.10	Gray

CMP (Plenum)

Part #	Jacket Color
CP5.30.07	Blue
CP5.30.02	White
CP5.30.10	Gray

Category 3 - Riser Cable

UTP, Spec. 4462, Type MPR/CMR. The conductors are 24 AWG solid bare annealed copper. The insulation is flame retardant semi-rigid PVC. Pairing is three twists per foot minimum. The rip cord is applied longitudinally under jacket. The jacket is flame retardant PVC and has sequential footage markings. Features include: all pair counts meet Category 3 Power Sum NEXT backbone wiring transmission requirements, UL listed type MPR/CMR for installation in vertical riser and general horizontal applications when installed in accordance with the NEC Article 800-51 (b) (g). Applications include voice, T1, 10 BASE-T (IEEE 802.3), 4 Mbps Token Ring (IEEE802.5), 52 Mbps ATM, 100 VG-AnyLAN. Compliant with IBM Type 3, ANSI/TIA/EIA 568B.2 (Category 3), ANSI/ICEA S-90-661 (Category 3), ULListed Type MPR/CMR, and c(UL) CMG. Packaging includes: 2-6pr; 1000ft Pull-Pac® Carton (PP), 1000ft Spool-Pac® (SPC), 1000 spool (SP), 12-100pr; 1000ft non-returnable reel (RL), 200-300pr; 500ft non-returnable reel (RL).

Part #	Pairs	Jacket Color	PKG	O.D. (Inches)	Weight (Lbs/Kft)
2133008	2	Beige	PP	0.14	9
2133009	2	Gray	PP	0.14	9
2133011	2	Gray	SP	0.14	9
2133012	3	Beige	PP	0.15	13
2133013	3	Gray	PP	0.15	13
2133015	3	Gray	SP	0.15	13
2133016	4	Beige	PP	0.17	16
2133017	4	Gray	PP	0.17	16
2133018	4	Beige	SP	0.17	16
2133019	4	Gray	SP	0.17	16
2133026	12	Beige	RL	0.27	47
2133027	12	Gray	RL	0.27	47
2133032	25	Beige	RL	0.42	105
2133033	25	Gray	RL	0.42	105
2133144	100	Gray	RI	0.74	375
2133161	50	Gray	RL	0.56	185
2133275	4	Blue	PP	0.17	16
2133296	4	White	PP	0.17	16
2133323	200	Gray	RL	1.02	724
2133359	4	White	SPC	0.17	16
2133370	50	Beige	RL	0.56	185
2133373	300	Gray	POL	1.23	1077

Category 3 - Plenum Cables

UTP, Spec. 4459, Type MPP/CMP. Conductors are 24 AWG solid bare annealed copper. Insulation is Flame retardant semi-rigid PVC. Pairing is three twists per foot minimum. Rip cord available on 2, 6 and 25 pairs. Jacket is Flexguard® flame retardant PVC, 0°C low temperature handling rating and has sequential footage markings. Features include: all pair counts meet Category 3 Power Sum NEXT backbone wiring transmission requirements. UL listed Type MPP/CMP for installation in ducts, plenums, and other spaces used as environmental air returns when installed in accordance with the NEC Article 800-51 (a) (g). Applications include: voice, T1, 10 BASE-T (IEEE 802.3), 5 Mbps token Ring (IEEE 802.5), 52 Mbps ATM, 100 VG- AnyLAN. Compliant with IBM Type 3, ANSI/TIA/EIA 568B.2 (Category 3), ANSI/ICEA S-90-661 (Category 3), UL Listed Type Mpp/CMP, c(UL) CMP. Packaging includes 1000ft Pull-Pac® Carton (PP), 1000ft non-returnable reel (RL).

Part #	Pairs	Jacket Color	PKG	O.D. (Inches)	Weight (Lbs/Kft)
2131256	25	Natural	RL	.39	105
2131376	50	Natural	RL	.57	191
2131377	100	Natural	RL	.85	377

Category 3 Cables

Conductors are 24 AWG solid bare copper. Riser and plenum insulation is flame-retardant semi-rigid PVC. Riser jacket is gray flame retardant PVC. Plenum jacket is white flame retardant PVC.

Part #	Description	Type
C3P002.30.02	24/2 Pair, White	Plenum
C3P004.30.02	24/4 Pair, White	Plenum
C3R002.30.10	24/2 Pair, Gray	Riser
C3R004.30.10	24/4 Pair, Gray	Riser

Category 3 - Plenum Cables

UTP, Spec. 4459, Type MPP/CMP. Conductors are 24 AWG solid bare annealed copper. Insulation is Flame retardant semi-rigid PVC. Pairing is three twists per foot minimum. Rip cord available on 2, 6 and 25 pairs. Jacket is Flexguard® flame retardant PVC, 0°C low temperature handling rating and has sequential footage markings. Features include: all pair counts meet Category 3 Power Sum NEXT backbone wiring transmission requirements. UL listed Type MPP/CMP for installation in ducts, plenums, and other spaces used as environmental air returns when installed in accordance with the NEC Article 800-51 (a) (g). Applications include: voice, T1, 10 BASE-T (IEEE 802.3), 5 Mbps token Ring (IEEE 802.5), 52 Mbps ATM, 100 VG- AnyLAN. Compliant with IBM Type 3, ANSI/TIA/EIA 568B.2 (Category 3), ANSI/ICEA S-90-661 (Category 3), UL Listed Type Mpp/CMP, c(UL) CMP. Packaging includes 1000ft Pull-Pac® Carton (PP), 1000ft non-returnable reel (RL).

Part #	Pairs	Jacket Color	PKG	O.D. (Inches)	Weight (Lbs/Kft)
2131243	2	White	PP	0.13	10
2131244	3	White	PP	0.15	13
2131248	3	White	SP	0.15	13
2131249	4	White	SP	0.16	17
2131419	4	Gray	SP	0.16	17



Wire & Cable - Flat Cable



Flat Cable

Gray Ribbon 9L280XX Series

.050" pitch, 28 AWG (7x36), PVC. Designed for general purpose electronic interconnect applications. Insulation is gray PVC, with a red polarity stripe for proper circuit alignment.

Part #	No. of Conductors	Width "A" inch	Width "A" mm	Span "B" inch	Span "B" mm
9L28010	10	.500" ± .008"	12.70 ± .20	.450" ± .008"	11.43 ± .20
9L28014	14	.700" ± .008"	17.78 ± .20	.650" ± .008"	16.51 ± .20
9L28015	15	.750" ± .008"	19.05 ± .20	.700" ± .008"	17.78 ± .20
9L28016	16	.800" ± .008"	20.32 ± .20	.750" ± .008"	19.05 ± .20
9L28020	20	1.000" ± .008"	25.40 ± .20	.950" ± .008"	24.13 ± .20
9L28025	25	1.250" ± .008"	31.75 ± .20	1.200" ± .008"	30.48 ± .20
9L28026	26	1.300" ± .008"	33.02 ± .20	1.250" ± .008"	31.75 ± .20
9L28034	34	1.700" ± .008"	43.18 ± .20	1.650" ± .008"	41.91 ± .20
9L28050	50	2.500" ± .012"	63.50 ± .30	2.450" ± .012"	62.23 ± .30
9L28064	64	3.200" ± .012"	81.28 ± .30	3.150" ± .012"	80.01 ± .30

Vari-Twist® 9V280XX Series

.050" pitch, 28 AWG (7x36), PVC. Designed to reduce crosstalk in the balanced mode by twisting the pairs. UL approved and passes the VW-1 Vertical Wire Flame Test. Use for internal interconnection or internal wiring of electronic equipment.

Part #	No. of Pairs	Width "A" inch (mm)	Span "B" inch	Span "B" mm
9V28010	5	.500" (12.70)	.450" ± .012"	11.43 ± .30
9V28014	77	.700" (17.78)	.650" ± .012"	16.51 ± .30
9V28016	8	.800" (20.32)	.750" ± .012"	19.05 ± .30
9V28020	10	1.00 (25.40)	.950" ± .015"	24.13 ± .38
9V28026	13	1.300 (33.02)	1.250" ± .015"	31.75 ± .38

Gray Flat Cable

Applications are PC board to PC board interconnects where space is a premium; Flexible interconnects within computer and business machine cabinetry. Operating temperature is -20°C to 105°C. Voltage rating is 300. Color code is gray with red stripe on leading edge. Conductor is stranded tinned copper conductors on 0.050" (1,27mm) centers. PVC insulation. Capacitance is 14 pF/ft (45,9 pF/m) nom. at 1MHz. Propagation delay is 1.4 ns/ft - 0.18 ns (4,6 ns/m - 0,18 ns) rise time pulse at 1MHz. Impedance is 105 ohms, nom. Crosstalk - nom between two adjacent signal lines at 1 ns rise time over 10 ft (3,05m) length, near end - 3.2%; far end - 11.5%. Passes UL VW-1 Flame Test. UL AWM Style 2651. Available in 100 ft (30,5m) put-ups, may contain multiple lengths. 28 AWG (0,09mm²), 7/36 (7 x 0,13mm), insulation thickness is 0.010" (0,25mm).

Part #	No. of Cond.	Nominal Overall Width inches	Nominal Overall Width mm	Nominal Span inches	Nominal Span mm
3580/10	10	0.50	12,70	0.45	11,43
3580/14	14	0.70	17,78	0.65	16,51
3580/15	15	0.75	19,05	0.70	17,78
3580/16	16	0.80	20,32	0.75	19,05
3580/20	20	1.00	25,40	0.95	24,13
3580/24	24	1.20	30,48	1.15	29,21
3580/25	25	1.25	31,75	1.20	30,48
3580/26	26	1.30	33,02	1.25	31,75
3580/34	34	1.70	43,18	1.65	41,91
3580/37	37	1.85	46,99	1.80	45,72
3580/40	40	2.00	50,80	1.95	49,53
3580/50	50	2.50	63,50	2.45	62,23
3580/60	60	3.00	76,20	2.95	74,93
3580/64	64	3.20	81,28	3.15	80,01
3580/9	9	0.45	11,43	0.40	10,16

Color-Coded Flat 0.050" Center Cable

Applications include: PC board to PC board interconnects where space is a premium; Flexible interconnects within computer and business machine cabinetry; Use where a high degree of flexibility is required, such as drawer enclosed electronic circuitry. Operating temperature is -20°C to 105°C. Voltage rating is 300. Color code is brown, red, orange, yellow, green, blue, violet, gray, white and black. Repeats beyond ten conductors. Stranded tinned copper conductors on 0.050" (1,27mm) centers. Insulation is thermally-bonded PVC with clear PVC covering. Capacitance is 14 pF/ft (45,9 pF/m) nom. at 1MHz. Propagation delay is 1.4 ns/ft - 0.18 ns (4,6 ns/m-0,18 ns) rise time pulse at 1MHz. Impedance is 105 ohms, nom. Crosstalk is nom between two adjacent signal lines at 1 ns rise time over 10 ft (3,05m) length, near end - 3.2%; far end - 11.5%. Passes UL VW-1 Flame Test. UL AWM Style 20932. Available in 100 ft (30,5m) put-ups, may contain multiple lengths. 28 AWG (0,09mm²), 7/36 (7 x 0,13mm), insulation thickness is 0.010" (0,25mm)

Part #	No. of Cond.	Nominal Overall Width inches	Nominal Overall Width mm	Nominal Span inches	Nominal Span mm
3583/10	10	0.50	12,70	0.45	11,43
3583/14	14	0.70	17,78	0.65	16,51
3583/15	15	0.75	19,05	0.70	17,78
3583/16	16	0.80	20,32	0.75	19,05
3583/20	20	1.00	25,40	0.95	24,13
3583/24	24	1.20	30,48	1.15	29,21
3583/25	25	1.25	31,75	1.20	30,48
3583/26	26	1.30	33,02	1.25	31,75
3583/34	34	1.70	43,18	1.65	41,91
3583/37	37	1.85	46,99	1.80	45,72
3583/40	40	2.00	50,80	1.95	49,53
3583/50	50	2.50	63,50	2.45	62,23
3583/60	60	3.00	76,20	2.95	74,93
3583/64	64	3.20	81,28	3.15	80,01
3583/9	9	0.45	11,43	0.40	10,16



Wire & Cable - Fire Alarm/Security Cable



Security Cable Solutions - New Generation Line

To insure optimum security installation performance, be sure to use New Generation cables. This product line represents one of the largest, most economical and up-to-date selections of multiconductor and coaxial products on the market today. A full complement of cables for Access Control, CCTV, Computer Interconnect, Alarm, Fire Alarm and other security applications - complete with water-blocked options for installation in intermittently wet environments. New Gen offers installer friendly features: Nec riser and plenum rated; UL and C (UL) listed as applicable. Rip cords for easy jacket removal; sequential footage markings on the jacket to eliminate guesswork and waste. A unique composite cable design, Access Control Banana Peel, strips away installation time and labor. Belden's unique quality and 10 year product warranty.

Access Control

Part #	Description	Plenum
5500FE	2 c / 22 AWG stranded and shielded	6500FE
5500UE	2 c / 22 AWG stranded and unshielded	6500UE
5300FE	2 c / 18 AWG stranded and shielded	6300FE
5300UE	2 c / 18 AWG stranded and unshielded	6300UE

Surveillance / CCTV - Coaxes



Part #	Description	Plenum
543945	RG-59/U Coax (20 AWG solid, 95% bare copper)	643948
549945	RG-59 + 2 c/18 AWG (Siamese)	649948
533945	RG-6/U Coax (18 AWG solid, 95% bare copper)	633948
539945	RG-6/U + 2 c/18 AWG (Siamese)	639948

Burglar Alarm / Commercial Sound

Part #	Description	Plenum
5502UE	4 c / 22 AWG stranded and unshielded	6502UE
5502FE	4 c / 22 AWG stranded and shielded	6502FE
5301FE	3 c / 18 AWG stranded and shielded	6301FE
5302UE	4 c / 18 AWG stranded and unshielded	6302UE
5302FE	4 c / 18 AWG stranded and shielded	6302FE
5200UE	2 c / 16 AWG stranded and unshielded	6200UE
5200FE	2 c / 16 AWG stranded and shielded	6200FE
5100UE	2 c / 14 AWG stranded and unshielded	6100UE
5000UE	2 c / 12 AWG stranded and unshielded	6000UE

New Generation® Fire Alarm Cables

Unshielded Multiconductor (NEC FPLR and CEC CMG TF4)

Part #	AWG	No. Cond.	Std Lgth ft (m)	Insul. Thick in (mm)	Nom. OD in (mm)
5020UL	12	2	1000 (305)	.013 (.33)	.247 (6.27)
5120UL	14	2	500 (152), 1000 (305)	.013 (.33)	.213 (5.41)
5220UL	16	2	500 (152), U-1000 (U-305), 1000 (305)	.010 (.25)	.174 (4.42)
5320UL	18	2	C-500 (C-152), U-500 (U-152), 500 (152), U-1000 (U-305), 1000 (305)	.010 (.25)	.151 (3.84)
5322UL	18	4	C-250 (C-76), C500 (C-152), U-500 (U-152), U-1000 (U-305), 1000 (305)	.010 (.25)	.176 (4.47)
5522UL	22	4	C-500 (C-152), U-1000 (U-305), 1000 (305)	.010 (.25)	.125 (3.18)

Unshielded Plenum Multi-Conductor

Insulation is Flammarrest®. Jacket is natural Flammarrest® with ripcord and sequential footage marked. Conductor is bare copper. Approvals are UL type CMP or CL2P (CMP: 22-16 AWG, CL2P: 14-12 AWG). NEC Articles (s) 800, 725. Applications are security systems, intercom/P.A. systems, sound/audio and power limited controls. Put-ups are 1000', also available in UnReel package where noted. Jacket thickness is .015.



Part #	AWG	Cond. Stranding	No. of Cond.	Insul. Thickness	Nom. O.D.
6000UE	12	19 strand	2	.011	.254
6100UE	14	19 strand	2	.011	.222
6200UE	16	19 strand	2	.009	.178
6500UE	22	7 strand	2	.009	.124
6502UE	22	7 strand	4	.009	.143

Overall Shielded Plenum Multi-Conductor

Insulation is Flammarrest®. Jacket is natural Flammarrest® with ripcord and sequential footage marked. Conductor is bare copper. Shielding is Beldfoil® Shield applied overall with a drain wire. Approvals are UL type CMP or CL2P (CMP: 22-16 AWG, CL2P: 14-12 AWG). NEC Articles (s) 800, 725. Applications are broadcast, intercom/P.A. systems, sound/audio and power limited controls. Put-ups are 1000', also available in UnReel package where noted. Jacket thickness is .015.

Part #	AWG	Cond. Stranding	No. of Cond.	Insul. Thick.	Nom. O.D.
6200FE	16	19 strand	2	.009	.185
6300FE	18	7 strand	2	.009	.164
6301FE	18	7 strand	3	.009	.175
6504FE	22	7 strand	6	.009	.178



Wire & Cable - Fire Alarm/Security Cable



New Generation® Security/Alarm Cables (cont.)

Shielded , Plenum-Rated, Power-Limited Multiconductor (NEC FPLP)

Bare copper conductors, Flammarrest® insulation, cabled together, Red Flammarrest® jacket with rip cord. Sequential footage marking every two feet. Overall Beldfoil® shield tape (foil side out) and drain wire.

Part #	AWG	No. of Cond.	Std Lgth ft (m)	Insul. Thick in (mm)	Nom. OD in (mm)
6320FL	18	2	C-500 (C-152), U-1000 (U-305), 1000 (305)	.010 (.25)	.158 (4.01)

Overall Shielded Plenum Multi-Conductor

Insulation is Flammarrest®. Jacket is natural Flammarrest with ripcord and sequential footage marked. Conductor is bare copper. Shielding is Beldfoil® Shield applied overall with a drain wire. Approvals are UL Type CMP or CL2P (CMP: 22-16 AWG, CL2P: 14-12 AWG). NEC Article(s) 800, 725. Applications are broadcast, intercom/P.A. systems, sound/audio and power limited controls. Put-ups are 1000', also available in UnReel package where noted. Jacket thickness is .015.



Part #	AWG	Conductor Stranding	No. of Conductors	Insulation Thickness	Nominal O.D.	1000' UnReel® Available
6302FE	18	7 strand	4	.009	.191	UnReel
6506FE	22	7 strand	8	.009	.193	UnReel

Overall Shielded Riser Multi-Conductor

Insulation is PVC. Jacket is gray PVC with ripcord and sequential footage marked. Conductor is bare copper. Shielding is Beldfoil® Shield applied overall with a drain wire. Approvals are UL Type CMR or CL3R (CMR: 22-16 AWG, CL3R: 14-12 AWG). NEC Article(s) 800, 725. Applications are broadcast, intercom/P.A. systems, sound/audio and power limited controls. Jacket thickness is .015.



Part #	AWG	Cond. Stranding	No. of Cond.	Insul. Thick.	Nom. O.D.
5320FE	18	Solid	2	.010	.155
5400FE	20	7 strand	2	.010	.145

Unshielded Riser Multi-Conductor

Insulation is PVC. Jacket is gray PVC with ripcord and sequential footage marked. Conductor is bare copper. Approvals are UL Type CMR or CL3R (CMR: 22-16 AWG, CL3R: 14-12 AWG). NEC Article(s) 800, 725. Jacket thickness is .015.



Part #	AWG	Cond. Stranding	No. of Cond.	Insul. Thick	Nom. O.D.
5300UE	18	7 strand	2	.010	.161
5320UE	18	Solid	2	.010	.151
5400UE	20	7 strand	2	.010	.142

Unshielded Plenum Multi-Conductor

Insulation is Flammarrest®. Jacket is natural Flammarrest with ripcord and sequential footage marked. Conductor is bare copper. Approvals are UL Type CMP or CL2P (CMP: 22-16 AWG, CL2P: 14-12 AWG). NEC Article(s) 800, 725. Applications are security systems, intercom/P.A. systems, sound/audio and power limited controls. Put-ups are 1000', also available in UnReel package where noted. Jacket thickness is .015.

Part #	AWG	Conductor Stranding	No. of Conductors	Insulation Thickness	Nominal O.D.	1000' UnReel® Available	Wgt. per 1000' Lbs.
6300UE	18	7 strand	2	.009	.157	UnReel	18.5
6400UE	20	7 strand	2	.009	.138	UnReel	13.9

Security & Alarm Cable Residential, Light Commercial & Institutional Applications

Unshielded Multi-conductor CM FT1 Rated Bare copper conductors, polypropylene insulation, PVC jacket. Conductors may not be cabled. Sequential footage marking every two feet. Voltage rating is 300. 5582UG is available in beige, brown, gray or natural only. Stranding is solid.



Part #	AWG	No. of Cond.	Cond. Color	Stranding	Std. Lengths Ft. (m)	Outer Jacket Thick. in (mm)	Nom. O.D. in (mm)
5500UG	22	2	Red	7	U-500 (U-152) U-1000 (U-305)	.015 (.38)	.114 (2.90)
5582UG	22	4	Green	solid	C500 (U-152) U-1000 (U-305)	.015 (.38)	.122 (3.10)
5502UG	22	4	Green	7	U-500 (U-152) U-1000 (U-305)	.015 (.38)	.131 (3.33)
5300UG	18	2	Red	7	U-500 (U-152) U-1000 (U-305)	.015 (.38)	.148 (3.76)

New Generation® Fire Alarm Cables

Shielded Multiconductor (NEC FPLR and CEC CMG FT4)

Bare copper conductors, PVC insulation, conductors cabled together, Beldfoil® shield and drain wire, Red PVC jacket with rip cord. Sequential footage marking every two feet. Jacket thickness is .015" (.381m). 300V.



Part #	AWG	No. Cond.	Std Lgth ft (m)	Insul. Thick in (mm)	Nom. OD in (mm)
5220FL	16	2	500 (152), 1000 (305)	.013 (.33)	.217 (5.51)
5320FL	18	2	C-500 (C-152), U-500 (U-152), 500 (152), U-1000 (U-305), 1000 (305)	.010 (.25)	.155 (3.94)



Wire & Cable - Fire Alarm/Security Cable



New Generation® Fire Alarm Cables (cont.)

Unshielded, Plenum-Rated, Power-Limited Multiconductor (NEC FPLP)

Bare copper conductors, Flammarrest® insulation, cabled together, Red Flammarrest® jacket with rip cord. Sequential footage marking every two feet



Part #	AWG	No. of Cond.	Std. Lgth ft (m)	Insul. Thick in (mm)	Nom. OD in (mm)
6120UL	14	2	500 (152), 1000 (305)	.011 (.28)	.205 (5.21)
6220UL	16	2	C-500 (C152), 500 (152), U-1000 (U-305), 1000 (305)	.010 (.25)	.174 (4.42)
6320UL	18	2	C-500 (C-152), U-500 (U-152), U-1000 (U-305), 1000 (305)	.010 (.25)	.151 (3.84)

Fire Alarm Cable Shielded, NPLF Systems, Non-Power-Limited Signaling Cable

Bare copper conductors, PVC/Nylon insulation, conductors cabled together, Beldfoil® shield tape (aluminum side out) plus drain wire. Red PVC jacket with rip cord. Sequential footage marking every two feet. Stranding is solid. Number of conductors is 2 and conductor color is red. Standard lengths in feet (m) is 500 (152) and 1000 (305).



Part #	AWG	Outer Jacket Thick. in (mm)	Nom. O.D. in (mm)
5320FN	18	.037 (.94)	.243 (6.17)
5220FN	16	.037 (.94)	.266 (6.76)
5120FN	14	.042 (1.07)	.303 (7.70)
5020FN	12	.042 (1.07)	.337 (8.56)

Fire Alarm Cable Unshielded, NPLF Systems, Non-Power-Limited Signaling Cable

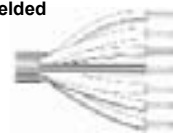
Unshielded Multi-conductor NPLF Rated, 150V Max. Per NEC Article 760, Indoor (Non-conduit per NEC) Bare copper conductors, PVC/Nylon insulation, conductors cabled together. Red PVC jacket with rip cord. Sequential footage marking every two feet. Stranding is solid. Number of conductors is 2 and conductor color is red. Standard lengths in feet (m) is 500 (152) and 1000 (305).



Part #	AWG	Outer Jacket Thick. in (mm)	Nom. O.D. in (mm)
5320UN	18	.037 (.94)	.239 (6.07)
5220UN	16	.037 (.94)	.262 (6.65)
5120UN	14	.042 (1.07)	.299 (7.59)

Security & Alarm Cable Commercial Applications Unshielded

Unshielded Multi-conductor CMR/CMG FT4 Rated Bare copper conductors, PVC insulation, Gray PVC jacket. Sequential footage marking every two feet. Voltage rating is 300. Stranding is 7. 5502UE is also available in beige, brown or white. 5300UE is available in black or white.



Part #	AWG	No. of Cond.	Cond. Color	Std. Lengths Ft. (m)	Outer Jacket Thick. in (mm)	Nom. O.D. in (mm)
5400UE	20	2	Red	U-1000 (U-305) 1000 (305)	.015 (.38)	.142 (3.61)
5520UE	22	2	Red	C-500, U-500, C-1000, U-1000, 1000	.015	.122 (3.10)

Security & Alarm Cable Commercial Application Shielded

Shielded Multi-conductor CMR/CMG FT4 Rated Bare copper conductors, PVC insulation, cabled, Beldfoil® shield tape (aluminum side out) with drain wire, gray PVC jacket. Sequential footage marking every two feet. Stranding is 7. Voltage rating is 300.



Part #	AWG	No. of Cond.	Cond. Color	Std. Lengths Ft. (m)	Outer Jacket Thick. in (mm)	Nom. O.D. in (mm)
5402FE	20	4	Green	U-500 (U-152) 500 (152) U-1000 (U-305) 1000 (305)	.015 (.38)	.168 (4.27)

Audio Cable Shielded, Commercial Audio Systems

Shielded Multi-conductor CMR/CMG FT 4 Bare copper conductors, PVC insulation, conductors cabled, Beldfoil® shield tape (aluminum side out) with drain wire, Gray PVC jacket. Sequential footage marking every two feet. Number of conductors is 2 and conductor color is red.



Part #	AWG	Stranding	Std. Lengths Ft. (m)	Outer Jacket Thick. in (mm)	Nom. O.D. in (mm)
5520FE	22	solid	U-1000 (U-305), 1000 (305)	.015 (.38)	.125 (3.18)

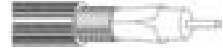


Wire & Cable - Fire Alarm/Security Cable



Security Coaxial Cable - Commercial CATV or MATV Applications

Plenum-Rated Coax CMP FT6 Rated Foam FEP insulation. Foil plus aluminum braid shields. Natural Flammarrest® jacket. Sequential footage marking every two feet.



Part #	AWG	Type	Strand/Cond.	Shield/Braid Coverage	Insul. Nom. O.D. in (mm)	Nom. O.D. in (mm)	Std. Lgth Ft. (m)
6439C8	20	Series 59; RG-59	Solid BC	Duofoil + 80% AL Braid	.135 (3.43)	.199 (5.05)	1000 (305)
633938	18	Series 6; RG-6	Solid BC	Duofoil + 80% AL Braid	.170 (4.32)	.233 (5.92)	U-500 (U-152), 500 (152), U-1000 (U-305), 1000 (305)
6139B8	14	Series 11; RG-11	Solid BC	Duofoil + 60% AL Braid	.274 (6.96)	.348 (8.84)	1000 (305)

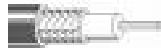
Security Coaxial Cable Surveillance & CCTV Applications

Shielded or Flooded for Use in Underground Ducts Coax - CM FT1 Rated Bare copper conductor, foam polyolefin insulation, bare copper braid shield. Black PVC jacket. Sequential footage marking every two feet.

Part #	Type	AWG	Stranding/Conductor	Shield/Braid Coverage	Insul. Nom. O.D. in (mm)	Nom. O.D. in (mm)	Std. Length Ft. (m)
573945	Mini RG-59 Type	25	Solid BC	94% BC	.085 (2.16)	.146 (3.71)	U-1000 (U-305), 1000 (305)
543945	RG-59	20	Solid BC	95% BC	.145 (3.68)	.232 (5.89)	U-500 (U-152), 500 (152), U-1000 (U-305), 1000 (305)

Security Coaxial Cable - Plenum-Rated

CMP FT6 Rated Bare copper or copper-covered steel conductor, foam FEP insulation, bare copper braid shield. Natural Flammarrest® jacket. Sequential footage marking every two feet. Shield/Braid coverage is 95% BC. BC = Bare Copper and BCCS = Bare Copper-covered Steel.



Part #	AWG	Type	Strand/Cond.	Insul. Nom. O.D. in (mm)	Nom. O.D. in (mm)	Std. Lgth Ft. (m)
673948	25	Mini RG-59	Solid BC	.078 (1.98)	.146 (3.71)	U-500 (U-152), U-1000 (U-305), 1000 (305)
6539Y8	22	RG-62	Solid BCCS	.146 (3.71)	.204 (5.18)	U-1000 (U-305), 1000 (305)
643948	20	RG-59	Solid BC	.135 (3.43)	.193 (4.90)	U-500 (U-152), 500 (152), U-1000 (U-305), 1000 (305)
633948	18	RG-6	Solid BC	.170 (4.32)	.228 (5.79)	U-500 (U-152), 500 (152), U-1000 (U-305), 1000 (305)
613948	14	RG-11	Solid BC	.274 (6.96)	.348 (8.84)	500 (152), 1000 (305)

Security Coaxial Cable - Commercial CATV and MATV Applications - Commercial or Schlage Systems

CM FT1 rated. Bare copper conductor, foam polyolefin insulation, foil plus braid shield(s) as indicated, Black PVC jacket. Sequential footage marking every two feet. AWG is 18 and type is series 6; RG-6. Stranding/Conductor is solid BC.



Part #	Shield/Braid Coverage	Insul. Nom. O.D. in (mm)	Nom. O.D. in (mm)	Std. Lengths Ft. (m)
5339B5	Duofoil + 60% AL Braid	.180 (4.57)	.266 (6.76)	U-500 (U-152), U-1000 (U-305), 1000 (305)
5339Q5	Duofoil tape + 60% AL braid + Duofoil tape + 40% AL braid	.180 (4.57)	.298 (7.57)	U-1000, 1000 (305)



Wire & Cable - Fire Alarm/Security Cable



Water-Blocked Security Coaxial Cable Surveillance & CCTV Applications

CM FT1 Rated Bare copper conductor, foam polyolefin insulation, foil plus braid shield as shown per item, braid impregnated with CoreGuard® flame retardant flooding compound. Black UV resistant PVC jacket. Sequential footage marking every two feet.



Part #	AWG	Type	Stranding/Conductor	Shield/Braid Coverage	Insul. Nom. O.D. in (mm)	Nom. O.D. in (mm)	Std. Lengths Ft. (m)
5439W5	20	RG-59	Solid BC	Duobond® II + 95% tinned copper braid	.145 (3.68)	.236 (5.99)	U-500 (U-152) 500 (152) U-1000 (U-305) 1000 (305)
5339W5	18	RG-6	Solid BC	Duofoil® +60% aluminum braid	.180 (4.57)	.270 (6.86)	U-500 (U-152) 500 (152) U-1000 (U-305) 1000 (305)



Sound & Security Cable - Multi-conductor

Conductor is stranded or solid bare copper per ASTM B-3, B-8 and B-286. Jacket includes ripcord and has sequential footage markings to facilitate installation.

Unshielded Riser, Plenum

Insulation is premium grade color coded S-R PVC. Jacket is suitable for use from -20°C to +75°C. Jacket is premium grade gray PVC. California State Fire Marshall approved and NEC Article 800 Type CMR (UL: 75°C, 300V) compliant.



Part #	No. of Cond.	AWG	Cond./Strands	Nom. Insul. Thick. in (mm)
E1032S.30.10	2	18	7/26	0.009 (0.23)

Shielded, Riser

Insulation is premium grade, color-coded, S-R PVC. Shield is overall Flexfoil® polyester supported aluminum foil and stranded tinned copper drain wire. Jacket is premium grade gray PVC and is suitable for use from -20°C to +75°C. California State Fire Marshall approval and NEC Article 800 Type CMP (UL: 75°C, 300V) compliant.



Part #	No. of Cond.	AWG	Cond./Strands	Nom. Insul. Thick. in (mm)
E2032S.41.10	2	18	7/26	0.009 (0.23)
E2032S.30.10	2	18	7/26	0.009 (0.23)

Shielded, Plenum

Insulation is premium grade, color-coded, Flexguard® PVC. Shield is overall Flexfoil® polyester supported aluminum foil and stranded tinned copper drain wire. Jacket is premium grade Natural Flexguard® PVC and is suitable for use from 0°C to +75°C. California State Fire Marshall approval and NEC Article 800 Type CMP (UL: 75°C, 300V) compliant.



Part #	No. of Cond.	AWG	Cond./Strands	Nom. Insul. Thick. in (mm)
E2202S.30.86	2	18	7/26	0.008 (0.20)



Fire Alarm/Life Safety Cable



Shielded, Plenum PVC

Conductor is solid bare copper per ASTM B-3. Insulation is premium grade, color-coded Flexguard® PVC. Shield is overall Flexfoil® polyester supported aluminum foil and stranded tinned copper drain wire. Jacket is Flexguard® flame retardant PVC, included ripcord, has sequential footage markings to facilitate installation and suitable for use from 0°C to +60°C. Number of conductors are 2. Conductor/strands are solid. Jacket color is red. California State Fire Marshall approved, designed to meet UL 910 flame test, NEC Article 760 and UL Type FPLP (UL: 60°C, 300V) compliant.

Part #	Cond. Size (AWG)	Nom. Insul. Thick. in (mm)	Stand. Packaging
E3622S.41.03	14	0.012 (0.30)	1000' non-returnable wood reels
E3612S.41.03	16	0.010 (0.25)	1000' non-returnable wood reels
E3602S.30.03	18	0.010 (0.25)	1000' Pull-pac Cartons
E3602S.41.03	18	0.010 (0.25)	1000' non-returnable wood reels

Unshielded

Conductor is solid bare copper per ASTM B-3. Jacket includes ripcord, has sequential footage markings to facilitate installation and is made up of premium PVC compound. Jacket is suitable for use from 0°C to +60°C. Part number E1522S.41.03 suitable range is from -20°C to +60°C. Jacket color is red. Number of conductors is 2. Conductor/strands are solid. Standard packaging is 1000' non-returnable wood reels. California State Fire Marshall approved, designed to meet UL 910 flame test, NEC article 760 and UL Type FPLP (UL: 60°C, 300V). E1522S.41.03 meets 1666 flame test.

Part #	Insulation	Cond. Size (AWG)	Nom. Insul. Thick. in (mm)
E1522S.41.03	S-R PVC	14	0.013 (0.33)
E3522S.41.03	Flexguard® PVC	14	0.012 (0.30)
E3512S.41.03	Flexguard® PVC	16	0.010 (0.25)



Wire & Cable - Fire Alarm/Security Cable



Fire Alarm/Life Safety Cable (cont.)

Overall Shielded, Non-Plenum - FPLR

Conductor solid bare copper per ASTM B-3. Insulation is premium grade color-coded S-R PVC. Shield is overall Flexfoil® polyester supported aluminum foil and stranded tinned copper drain wire. Jacket is red, made of premium PVC compound, includes ripcord, has sequential footage markings to facilitate installation and is suitable for use from -20°C to +60°C. Number of conductors are 2. Conductor/Strands are solid. Nominal insulation thickness in inches (mm) is 0.010 (0.25). California State Fire Marshall approved, designed to meet UL 1666 flame test, NEC Article 760 and UL Type FPLR (UL: 60°C, 300V) compliant.

Part #	AWG	Std. Packaging
E2502S.30.03	18	1000' Pull-pac Cartons
E2522S.41.03	16	1000' non-returnable wood reels
E2502S.41.03	18	1000' non-returnable wood reels

Alarm & Security

General Cable's Carol® Brand is the right solution for alarm and security wire and cable. Carol offers as broad an offering as anyone in the industry. There are five basic areas where alarm and security cables are used. General Cable has the right product to serve every application, including: Access Control, Video Surveillance/CCTV, Data Communications, Fire Protection, Sound Systems and Burglar Alarms.

Sound Systems & Burglar Alarms

Ideal for intercoms, PA systems, sound systems, emergency phones, speakers, burglar alarms and home automation applications.

Part #	Description	AWG	Cond. Strand.
E1008S	22/8 Conductor Riser	22	7/30
E3006S	22/6 Conductor Plenum	22	7/30
E3042S	16/2 Conductor Plenum	16	19/.0117
E3044S	16/4 Conductor Plenum	16	19/.0117
E3054S	14/4 Conductor Plenum	14	19/.0147
E1064S	12/4 Conductor Riser	12	19/.0185
E3064S	12/4 Conductor Plenum	12	19/.0185
C1362	22/2 Conductor Zip (not for inwall use)	22	7/30
C1357	18/2 Conductor Zip (not for inwall use)	18	16/30
C1458	16/2 Conductor Zip CL2	16	105/36
C1461	14/2 Conductor Zip CL2	14	105/34
C1463	12/2 Conductor Zip CL2	12	259/36

Access Control

Ideal for door controllers, prox sensors and key pad applications.

Part #	Description
E2010S	22/10 Conductor Shielded Riser
E2038S	18/8 Conductor Shielded Riser
E2202S	18/2 Conductor Shielded Plenum
E2208S	18/8 Conductor Shielded Plenum

Fire Protection

Ideal for smoke detectors, strobes/sirens, pull stations and microprocessor/addressable controlled system applications. The E Series is now available in four new colors: blue, green, white and yellow. The E Series is packaged in 500' Pull-Pac® Cartons.

Part #	Description
C0471	18/2 Conductor Addressable System FPL
C0485	18/4 Conductor Addressable System FPL
C0494	18/4 Conductor Shielded Addressable System FPL
C3240	18/2 Conductor Addressable System Plenum FPLP
C3242	18/4 Conductor Addressable System Plenum FPLP
C3170	18/4 Conductor Shielded Addressable System Plenum FPLP



Alarm & Security (cont.)

Video Surveillance/CCTV

Ideal for CCTV, satellites, digital video, analog video, switchers/multiplexers and digital recorder applications.



Part #	Description
C3524	RG 6 CCS/Foil/60% AL Braid Plenum
C5889	RG 6 CCS/Quad 60/40% AL Braid CATVR/CMR
C3525	RG 6 CCS/Quad 60/40% AL Braid Plenum
C1142	RG 59 SBC/95% BC Braid CATV/CM
C3500	RG 59 CCS/95% BC Braid Plenum
C8025	RG 59 +22/2 Conductor Shield
C8027	RG 59 +18/2 Conductor Shield
C8029	RG 6 +18/2 Conductor Shield

Data Communications

Ideal for telephones, Cat 3, 5e and 6 connectors, networking, workstations, video conferencing, telco closets and home automation applications.



Part #	Description
C3R002	Cat 3 24/2 Pair Riser
C3R004	Cat 3 24/4 Pair Riser
C3P002	Cat 3 24/2 Pair Plenum
C3P004	Cat 3 24/4 Pair Plenum
C5R004	Cat 5e 24/4 Pair Riser
C5P004	Cat 5e 24/4 Pair Plenum
C6R004	Cat 6 24/4 Pair Riser
C6P004	Cat 6 24/4 Pair Plenum

Thermostat Wire 105°C 300 Volt UL Type CL2

18 AWG annealed solid bare copper per ASTM B-3. Premium grade color coded PVC. White polyvinylchloride (PVC) jacket. Temperature range is -20°C to +105°C. Applications recommended for thermostat control, heating and air conditioning installations, touch plate systems, burglar alarms, intercom systems, door bells, annunciator and bell systems, remote control units, signal systems and other low voltage installations. Industry approvals: UL Listed Type CL2. 4 through 10 conductor available in 250' (76.2 m) spools. 2 and 3 conductor available on 500' (152.4 m) spools. Other put-ups available on special order. Conductor strand is solid. Nominal ins. thickness in inches (mm) is 0.008 (0.203). Actual shipping weight may vary.



Part #	No. of Cond.	Nominal O.D. in (mm)	Approx. Net Weight LBS/M'	Std. Ctn.
05582	2	0.155 (3.94)	17	1000'
05583	3	0.165 (4.19)	23	1000'
05584	4	0.180 (4.57)	29	500'

Wire & Cable - Fire Alarm/Security Cable



Multi-Conductor, Unshielded, Plenum, NEC Type FPLP

NEC Type FPLP. Conductor is 22 thru 12 AWG fully annealed solid bare copper per ASTM B-3. Insulation is premium grade, color coded, Flexguard® PVC. Jacket is premium grade, Red Flexguard® PVC. Suitable for use from 0°C to 60°C. Sequential footage markings to facilitate installation. Applications are wiring of fire alarms, smoke alarms, voice communications, burglar alarms and fire protective circuits. Suggested voltage rating is 300 volts. Compliances are UL type FPLP (UL: 60°C, 300V) and NEC Article 760. California State Fire Marshall Approved. Designed to meet UL 910 Flame Test. Packaging is 1000' (305m) Pull-Pac® cartons (22, 18, and 16 AWG only), 1000' (305m) reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is solid.

12 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.012 (0.30). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3532S	2	0.244 (6.20)
E3534S	4	0.284 (7.21)

14 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.012 (0.30). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3522S	2	0.210 (5.28)
E3524S	4	0.243 (6.17)

16 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3512S	2	0.172 (4.37)
E3514S	4	0.202 (5.13)

18 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3502S	2	0.155 (3.81)
E3504S	4	0.175 (4.45)



Alarm & Security

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Sound Systems & Burglar Alarms

Ideal for intercoms, PA systems, sound systems, emergency phones, speakers, burglar alarms and home automation applications.

Part #	Description	AWG	Cond. Strand.
E1002S	22/2 Conductor Riser	22	7/30
E1004S	22/4 Conductor Riser	22	7/30
E1006S	22/6 Conductor Riser	22	7/30
E3002S	22/2 Conductor Plenum	22	7/30
E3004S	22/4 Conductor Plenum	22	7/30
E3008S	22/8 Conductor Plenum	22	7/30
E1032S	18/2 Conductor Riser	18	7/26
E1034S	18/4 Conductor Riser	18	7/26
E3032S	18/2 Conductor Plenum	18	7/26
E3034S	18/4 Conductor Plenum	18	7/26
E1042S	16/2 Conductor Riser	16	19/.0117
E1044S	16/4 Conductor Riser	16	19/.0117
E1052S	14/2 Conductor Riser	14	19/.0147
E3052S	14/2 Conductor Plenum	14	19/.0147
E1062S	12/2 Conductor Riser	12	19/.0185
E3062S	12/2 Conductor Plenum	12	19/.0185

Access Control

Ideal for door controllers, prox sensors and key pad applications.

Part #	Description
E2002S	22/2 Conductor Shielded Riser
E2004S	22/4 Conductor Shielded Riser
E2006S	22/6 Conductor Shielded Riser
E2008S	22/8 Conductor Shielded Riser
E2012S	22/12 Conductor Shielded Riser
E2102S	22/2 Conductor Shielded Plenum
E2104S	22/4 Conductor Shielded Plenum
E2106S	22/6 Conductor Shielded Plenum
E2108S	22/8 Conductor Shielded Plenum
E2032S	18/2 Conductor Shielded Riser
E2034S	18/4 Conductor Shielded Riser
E2036S	18/6 Conductor Shielded Riser
E2202S	18/2 Conductor Shielded Plenum
E2204S	18/4 Conductor Shielded Plenum
E2206S	18/6 Conductor Shielded Plenum

Fire Protection

Ideal for smoke detectors, strobes/sirens, pull stations and microprocessor/addressable controlled system applications. The E Series is now available in four new colors: blue, green, white and yellow. The E Series is packaged in 500' Pull-Pac® Cartons.

Part #	Description
E3602S	18/2 Conductor Shielded Plenum FPLP
E3604S	18/4 Conductor Shielded Plenum FPLP
E3622S	14/2 Conductor Shielded Plenum FPLP
E3624S	14/4 Conductor Shielded Plenum FPLP
C0473	16/2 Conductor Addressable System FPL
C3241	16/2 Conductor Addressable System Plenum FPLP



Wire & Cable - Fire Alarm/Security Cable



Multi-Conductor, Shielded, Plenum

NEC Type FPLP. Conductor is 22 thru 12 AWG fully annealed solid bare copper per ASTM B3. Insulation is premium grade, color coded, Flexguard® PVC. Shield is overall Flexfoil® polyester supported aluminum foil. Stranded tinned copper drain wire. Jacket is premium grade, Red Flexguard® PVC. Suitable for use from 0°C to 60°C. Sequential footage markings to facilitate installation. Applications are wiring of fire alarms, smoke detectors, voice communications, burglar alarms and fire protective circuits. Suggested voltage rating is 300 volts. Compliances are UL type FPLP (UL: 60°C, 300V) and NEC Article 760. California State Fire Marshall Approved. Designed to meet UL 910 Flame Test. Packaging is 1000' (305m) Pull-Pac® cartons (22, 18, and 16 AWG only), 1000' (305m) reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is solid. Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

12 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.012 (0.30). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3632S	2	0.252 (6.40)

16 AWG Conductors

Nom. Insulation Thickness in inches (mm) is 0.010 (0.25). Nom. Jacket Wall in inches (mm) is 0.015 (0.38).

Part #	No. of Cond.	Nominal O.D. - inches (mm)
E3612S	2	0.180 (4.57)
E3614S	4	0.210 (5.33)



Multiconductor, Unshielded Riser Fire Alarm & Security Cables

Solid bare copper conductor. Insulation is color coded PVC. Jacket is red PVC. 300 volts. Type is FPLR. Temperature is 75°C. For fire protective signaling circuits. Riser rated. UL Standard 1424. NEC Article 760. NEC Type FPLR. UL 1666 Riser Flame Test. California State Fire Marshall Listed. Color code is black and red for 2 conductor; black, red, brown and blue for 4 conductor.

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M39067	18	2	.015"	.150"	.010"
M39068	16	2	.015"	.175"	.010"
M39069	14	2	.015"	.212"	.012"

Multiconductor, Foil Shield - Overall Riser Fire Alarm & Security Cable

Solid bare copper conductor. Insulation is color coded PVC. Aluminum/polyester foil shield. Jacket is red PVC. For fire protective signaling circuits. Riser rated. 300 volts. Temperature is 75°C. FPLR Type. Color code is black and red for 2 conductor; black red and brown for 3 conductor; black, red, brown and blue for 4 conductor.

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M39124	18	2	.015"	.155"	.010"
M39126	16	2	.015"	.178"	.010"
M39128	14	2	.015"	.217"	.012"

Multiconductor, Unshielded Plenum Fire Alarm & Security Cable

Solid bare copper conductor. Color coded plenum rated PVC insulation. Jacket is red plenum rated PVC. For fire control stations, smoke detection, voice communication and all associated systems. 300 volts. Temperature is 75°C. FPLP Type. Color code is black and red for 2 conductor; black, red, brown and blue for 4 conductor.

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M244690	18	2	.015"	.150"	.010"
M244710	16	2	.015"	.175"	.010"
M244716	14	2	.015"	.205"	.012"

Multiconductor, Foil Shield - Overall Plenum Fire Alarm & Security Cables
Solid bare copper conductor. Color coded plenum rated PVC insulation. Aluminum/polyester foil shield. Red plenum rated PVC jacket. For fire control stations, smoke detection, voice communication and all associated systems. 300 volts. Temperature is 75°. FPLP Type. Color code is black and red for 2 conductor; black, red, brown and blue for 4 conductor.

Part #	AWG	No. Cond.	Nom. Jkt. Thick.	Nom. O.D.	Nom. Insul.
M244890	18	2	.015"	.158"	.010"
M244910	16	2	.015"	.180"	.010"
M244916	14	2	.015"	.215"	.012"

Multiconductor, Foil Shield - Overall Plenum Cable

Stranded bare copper conductor. Color coded plenum rated PVC. Aluminum/polyester foil shield. Drain wire is stranded tinned copper. Jacket is natural plenum rated PVC. For audio, broadcast and sound applications. 300 volts. Temperature is 75°C. CMP Type. Color code by conductor is black, red, white, green, brown, blue, orange, yellow, purple and gray.

Part #	AWG	No. Cond.	Nom. Jkt. Thick.	Nom. O.D.	Nom. Insul.
M244800	22	2	.015"	.136"	.010"
M244802	22	4	.015"	.158"	.010"
M244804	22	6	.015"	.178"	.010"
M244806	22	8	.015"	.200"	.010"

Multiconductor, Unshielded Riser Security & Data Cables

Stranded bare copper conductor. Color coded PVC insulation. Gray PVC jacket. For security, audio, broadcast and sound applications. 300 volts. Temperature is 75°C. CMR Type. Color code by conductor is black, red, white, green, brown, blue, orange, yellow, purple and gray.

Part #	AWG	No. Cond.	Nom. Jkt Thick.	Nom. O.D.	Nom. Insul.
M213302	22	2	2.015"	.130"	.010"
M213303	22	2	.015"	.135"	.010"

Multiconductor, Foil Shield - Overall Riser Security & Data Cables

Stranded bare copper conductor. Color coded PVC insulation. Aluminum/polyester foil shield. Drain wire is stranded tinned copper. Jacket is gray PVC. For security, audio, broadcast and sound applications. Color code by conductor is black, red, white and green.

Part #	AWG	No. Cond.	Nom. Jkt. Thick.	Nom. O.D.	Nom. Insul.
M239025	24	4	.015"	.135"	.010"
M113226	22	2	.015"	.130"	.010"
M113242	18	2	.015"	.165"	.010"
M113247	16	2	.015"	.190"	.010"

Multipair, Foil Shield - Individual Riser Security & Data Cables

Stranded bare copper conductor. Color coded PVC insulation. Aluminum/polyester foil shield. Drain wire is stranded tinned copper. Gray PVC jacket. For computer and control applications. 300 volts. Temperature is 75°C. CMR Type.

Part #	AWG	No. Pairs	Nom. Jkt. Thick.	Nom. O.D.	Nom. Insul.
M213172	18	2	.020"	.275"	.010"
M213173	18	3	.020"	.297"	.010"

Multipair, Foil Shield - Overall Riser Security & Data Cables

Stranded bare copper conductor. Color coded PVC insulation. Aluminum/polyester foil shield. Drain wire is stranded tinned copper. Gray PVC jacket. For computer and control applications. 300 volts. Temperature is 75°C. CMR Type.

Part #	AWG	No. Pairs	Nom. Jkt. Thick.	Nom. O.D.	Nom. Insul.
M213203	20	2	.015"	.250"	.010"



Wire & Cable - Hook-Up Wire



Hook-Up Wire

(Type B) MIL-W-16878/1-PVC 600V, 105°

Tinned copper, PVC insulated. Covers insulated wire for internal wiring of meters, panels, and electrical or electronic equipment. Temperatures to 105°C.

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)
8597	100 (30.5); 1000 (304.8)	28 (7 x 36) B-28	.010 (.25)	.035 (.89)
8505	100 (30.5); 1000 (304.8)	26 (7 x 34) B-26	.010 (.25)	.039 (.99)
8504	100 (30.5); 1000 (304.8)	24 (7 x 32) B-24	.010 (.25)	.044 (1.12)
8503	100 (30.5); 1000 (304.8)	22 (7 x 30) B-22	.010 (.25)	.050 (1.27)
8502	100 (30.5); 1000 (304.8)	20 (7 x 28) B-20	.010 (.25)	.058 (1.47)
8501	100 (30.5); 1000 (304.8)	18 (7 x 26) B-18	.010 (.25)	.068 (1.73)
8500	100 (30.5); 1000 (304.8)	16 (19 x 29) B-16	.010 (.25)	.079 (2.01)

Style 1007, 300V, 80°C (CSA Type TR-64, 90°C) and Style 1569 300V, 105°C (CSA Type TRSR-64, 105°)

Tinned copper, PVC insulated. Rated 105°C, 300V. Rated 600V peak for electronic circuits and internal wiring of electronic and electrical equipment.

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)
9928	100 (30.5); 1000 (304.8); 5000 (1524.0)	28 (7 x 36)	.015 (.38)	.047 (1.19)
9926	100 (30.5); 1000 (304.8); 5000 (1524.0)	26 (7 x 34)	.015 (.38)	.051 (1.30)
9923	100 (30.5); 1000 (304.8); 5000 (1524.0)	24 (7 x 32)	.015 (.38)	.056 (1.42)
9921	100 (30.5); 1000 (304.8); 5000 (1524.0)	22 (7 x 30)	.015 (.38)	.062 (1.57)
9919	100 (30.5); 1000 (304.8); 5000 (1524.0)	20 (7 x 28)	.015 (.38)	.069 (1.75)
9920	1000 (304.8); 5000 (1524.0)	20 (10 x 30)	.015 (.38)	.067 (1.70)
9918	100 (30.5); 1000 (304.8); 5000 (1524.0)	18 (16 x 30)	.015 (.38)	.079 (2.01)
9916	100 (30.5); 1000 (304.8); 5000 (1524.0)	16 (26 x 30)	.015 (.38)	.092 (2.34)
9989	1000 (304.8); 5000 (1524.0)	14 (41 x 30)	.015 (.38)	.110 (2.79)

Hook-Up Wire (cont.)

Style 1015 600V, 105°C (CSA Type TEW)

Tinned copper, PVC insulation. Rated 105°C, 600V. Rated 2500V peak for electronic circuits, and internal wiring of electronic and electrical equipment.

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)
9924	100 (30.5); 1000 (304.8); 5000 (1524.0)	24 (7 x 32)	.030 (.76)	.088 (2.24)
8920	100 (30.5); 1000 (304.8); 5000 (1524.0)	22 (7 x 30)	.030 (.76)	.093 (2.36)
8919	100 (30.5); 1000 (304.8); 4000 (1219.2); 5000 (1524.0)	20 (10 x 30)	.030 (.76)	.100 (2.54)
8918	100 (30.5); 1000 (304.8); 5000 (1524.0)	18 (16 x 30)	.030 (.76)	.110 (2.79)
8915	1000 (304.8); 5000 (1524.0)	18 (solid)	.030 (.76)	.105 (2.67)
8917	100 (30.5); 500 (152.4); 1000 (304.8); 4000 (1219.2); 5000 (1524.0)	16 (26 x 30)	.030 (.76)	.123 (3.12)
8916	100 (30.5); 500 (152.4); 4000 (1219.2)	14 (41 x 30)	.030 (.76)	.138 (3.51)
9912	100 (30.5); 250 (76.2); 2000 (609.6)	12 (65 x 30)	.030 (.76)	.158 (4.01)
9910	100 (30.5); 250 (76.2)	10 (65 x 28)	.030 (.76)	.180 (4.57)
8910	500 (152.4); 2000 (609.6)	10 (105 x 30)	.030 (.76)	.186 (4.72)

Style 1061 300V, 80°C (CSA AWM)

Tinned copper, semi-rigid PVC insulated (solid conductors suitable for wire wrap applications).

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)
9978	100 (30.5); 1000 (304.8)	30 (solid)	.010 (.25)	.030 (.76)
9987	100 (30.5); 1000 (304.8)	30 (7 x 38)	.010 (.25)	.032 (.81)
9977	100 (30.5); 1000 (304.8)	28 (solid)	.010 (.25)	.033 (.84)
9986	100 (30.5); 1000 (304.8); 10000 (3048.0)	28 (7 x 36)	.010 (.25)	.035 (.89)
9976	100 (30.5); 1000 (304.8)	26 (solid)	.010 (.25)	.036 (.91)
9985	100 (30.5); 1000 (304.8); 5000 (1524.0); 10000 (3048.0)	26 (7 x 34)	.010 (.25)	.039 (.99)
9975	100 (30.5); 1000 (304.8); 5000 (1524.0)	24 (solid)	.010 (.25)	.040 (1.02)
9984	100 (30.5); 1000 (304.8); 5000 (1524.0); 10000 (3048.0)	24 (7 x 32)	.010 (.25)	.044 (1.120)
9979	100 (30.5); 5000 (1524.0)	22 (solid)	.010 (.254)	.047 (1.194)



Wire & Cable - Hook-Up Wire



Hook-Up Wire (cont.)

Style 1061 300V, 80°C (CSA AWM)

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)
9983	100 (30.5); 1000 (304.8); 5000 (1524.0); 10000 (3048.0)	22 (7 x 30)	.010 (.25)	.050 (1.270)
9982	100 (30.5); 1000 (304.8); 5000 (1524.0)	20 (7 x 28)	.010 (.25)	.057 (1.450)
9917	1000 (304.8); 5000 (1524.0)	20 (10 x 30)	.010 (.254)	.056 (1.422)
9911	1000 (304.8)	18 (16 x 30)	.010 (.254)	.067 (1.702)
9981	100 (30.5); 1000 (304.8)	18 (19 x 30)	.010 (.25)	.066 (1.680)
9980	100 (30.5); 1000 (304.8)	16 (19 x 28)	.010 (.25)	.078 (1.980)
9909	1000 (304.8)	16 (26 x 30)	.010 (.254)	.080 (2.032)

Style 1371 105°C (Type E) - MIL-W-16878/4 Teflon 600V, 200°C

Stranded silver-coated copper conductor insulated with extruded TFE Teflon. Passes VW-1 Vertice Wire Flame Test.

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)	Stock Colors
83009	100 (30.5); 500 (152.4); 1000 (304.8)	18 (19 x 30)	.011 (.28)	.069 (1.75)	1-10
83010	100 (30.5); 500 (152.4); 1000 (304.8)	16 (19 x 29)	.012 (.30)	.077 (1.96)	1-10

Style 1371 105°C (Type ET) - MIL-W-16878/6 Teflon - 250V, 200°C

Stranded silver-coated copper conductor insulated with extruded TFE Teflon. Passes VW-1 Vertical Wire Flame Test.

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)	Stock Colors
83041	100 (30.5); 1000 (304.8)	32 (7 x 40)	.006 (.15)	.022 (.56)	6, 7, 10
83043	100 (30.5); 1000 (304.8)	30 (7 x 38)	.006 (.15)	.024 (.61)	2, 5, 7-10 (100); 2, 5, 7, 9, 10 (1000)
83045	100 (30.5); 1000 (304.8)	28 (7 x 36)	.006 (.15)	.027 (.69)	1, 2, 5, 6, 9, 10
83046	100 (30.5); 1000 (304.8)	26 (7 x 34)	.006 (.15)	.031 (.79)	1-4, 6-9 (100); 1-4, 6-10 (1000)
83047	100 (30.5); 1000 (304.8)	24 (7 x 32)	.006 (.15)	.036 (.91)	6, 8-10 (100); 2, 6, 8-10 (1000)
83048	100 (30.5); 1000 (304.8)	24 (19 x 36)	.006 (.15)	.036 (.91)	1-3, 5, 7, 8, 10
83049	100 (30.5); 1000 (304.8)	22 (7 x 30)	.006 (.15)	.042 (1.07)	1-10
83050	100 (30.5); 1000 (304.8)	22 (19 x 34)	.006 (.15)	.042 (1.07)	1-3, 5-9

Hook-Up Wire (cont.)

Type MW-MIL-W-76C-PVC 1000V, 80°C

Tinned copper, PVC insulated, medium wall. The extruded PVC insulation is flame and ozone resistant and inert to most chemicals, oils and solvents. Covers single conductor, PVC insulated hook-up wire for internal wiring of electrical and electronic equipment.

Part #	Std. Lgths ft (m)	AWG (Stranding)	Insul. Thick. inch (mm)	Nom. O.D. inch (mm)
8538	100 (30.5); 1000 (304.8)	24 (solid) MW-C24 (1) A	.017 (.43)	.055 (1.40)
8525	100 (30.5); 1000 (304.8)	24 (7 x 32) MW-C24 (7) A	.017 (.43)	.058 (1.47)
8530	100 (30.5); 1000 (304.8)	22 (solid) MW-C22 (1) A	.017 (.43)	.059 (1.50)
8524	100 (30.5); 1000 (304.8)	22 (7 x 30) MW-C22 (7) A	.017 (.436)	.064 (1.63)
8529	100 (30.5); 1000 (304.8)	20 (solid) MW-C20 (1) A	.017 (.43)	.066 (1.68)
8523	100 (30.5); 1000 (304.8)	20 (10 x 30) MW-C20 (10) A	.017 (.43)	.070 (1.78)
8522	100 (30.5); 1000 (304.8)	18 (16 x 30) MW-C18 (16) A	.017 (.43)	.080 (2.03)
8521	100 (30.5); 1000 (304.8)	16 (26 x 30) MW-C16 (26) A	.019 (.48)	.098 (2.49)
8520	100 (30.5); 1000 (304.8)	14 (41 x 30) MW-C14 (41) A	.018 (.46)	.111 (2.82)
8527	100 (30.5); 1000 (304.8)	12 (65 x 30) MW-C12 (65) A	.018 (.46)	.128 (3.25)

Style 1213 105°C, (Type E)-MIL-W-16878/4

Stranded silver-coated copper conductor insulated with extruded TFE Teflon. Standard length ft (m): 100 (30.5), 1000 (304.8).

Part #	AWG (Stranding)	Insul. Thick. in (mm)	Nom. O.D. in (mm)
83000	30 (7 x 38)	.010 (.25)	.032 (.81)
83001	28 (7 x 36)	.010 (.25)	.035 (.89)
83002	26 (7 x 34)	.010 (.25)	.037 (.94)
83003	24 (19 x 36)	.010 (.25)	.044 (1.12)
83004	24 (7 x 32)	.010 (.25)	.044 (1.12)
83005	22 (7 x 30)	.010 (.25)	.050 (1.27)
83006	22 (19 x 34)	.010 (.25)	.048 (1.22)
83007	20 (19 x 32)	.010 (.25)	.056 (1.42)
83008	20 (7 x 28)	.010 (.25)	.058 (1.47)

Hook-Up Wire on Racks Kits

Stock colors: 1 (brown), 2 (red), 3 (orange), 4 (yellow), 5 (green), 6 (light blue), 7 (violet/purple), 8 (gray/slate), 9 (white), 10 (black). Passes VW-1 Vertical Wire Flame Test.



Part #	No. of Spools	Spool Lgth ft. (m)	Std Unit Lbs. ea.	Type of Wire	Colors in Kit
8816	8	25 (7.6)	2.5	18 (16 x 30) Tinned PVC (8522-25)	1-6, 9, 10
8824	8	25 (7.6)	1.8	20 (10 x 30) Tinned PVC (8523-25)	1-6, 9, 10
8825	5	100 (30.5)	3.0	20 (7 x 28) Tinned PVC (8502-100)	2, 4, 5, 9, 10
9531	5	100 (30.5)	2.8	22 (7 x 30) Tinned PVC (8524-100)	2, 5, 6, 9, 10



Wire & Cable - Hook-Up Wire



Rubber/PVC Test Lead

Conductor is 20 and 18 AWG. Fully annealed tinned copper per ASTM B-33. Insulation is premium grade color coded Rubber or PVC. Temperature range for Rubber is -20°C to +60°C and for PVC is -25°C to +60°C. Number of conductors is 1. Working voltage is for intermittent duty only. For desired color, place the following suffixes at the end of the part number: 01 (black), (red).

Part #	AWG Size	Cond. Strand.	Nom. Insul. Thickness in.(mm)	Breakdown Voltage (AC, rms)	Working Voltage	Nom. O.D. in.(mm)
C1326	20	41/36	0.040 (1.02)	6,000V	1,500V	0.125 (3.18)
C1319	20	41/36	0.047 (1.19)	12,000V	3,000V	0.140 (3.56)
C1321	18	65/36	0.045 (1.14)	20,000V	5,000V	0.145 (3.68)
C1318	18	65/36	0.088 (2.24)	29,000V	10,000V	0.230 (5.84)



MIL-W-76B, Type MW (Medium Wall)

Conductor is 24 thru 12 AWG. Fully annealed stranded tinned copper per ASTM B-33. Insulation is premium grade color coded PVC. Temperature range is -12°C to +90°C. Suggested voltage rating is 1000V (MIL-W-76B). Nominal insulation thickness in inches (mm) is 0.016 (0.41). For desired color, place the following suffixes at the end of the part number: 01 (black), 02 (white), 03 (red), 04 (orange), 05 (yellow), 06 (green), 07 (blue), 08 (brown), 10 (gray), 19 (violet). Part numbers ending in "A" are ROHS compliant.

Part #	Type Designation	AWG Size	Cond. Strand.	Nom. O.D. in.(mm)
C7600	MW-C24(7)U	24	7/32	0.056 (1.42)
C7602A	MW-C22(7)U	22	7/30	0.062 (1.57)
C7604A	MW-C20(10)U	20	10/30	0.070 (1.78)
C7606A	MW-C18(16)U	18	16/30	0.080 (2.03)
C7608A	MW-C16(26)U	16	26/30	0.092 (2.34)
C7610A	MW-C14(41)U	14	41/30	0.109 (2.77)
C7611	MW-C12(65)U	12	65/30	0.128 (3.25)

Hook-Up Wire UL 1007, UL 1569, CSA TR-64

24 thru 16 AWG conductor. Fully annealed tinned copper per ASTM B-33. Solid or stranded. Insulation is premium grade color coded PVC. Temperature range is -20°C to 105°C. Designed to meet UL VW-1 Vertical Wire Flame Test. Nominal insulation thickness is 0.016 inches (0.40mm). ROHS compliant.

Part #	AWG Size	Cond. Strand	Nominal O.D. in (mm)
C2053A	16	Solid	0.083 (2.16)
C2065A	16	Stranded 26/30	0.092 (2.34)
C2052A	18	Solid	0.072 (1.83)
C2064A	18	Stranded 16/30	0.080 (2.03)
C2028A	20	Solid	0.064 (1.63)
C2040A	20	Stranded 10/30	0.070 (1.78)
C2004A	22	Solid	0.057 (1.45)
C2016A	22	Stranded 7/30	0.062 (1.57)
C2003A	24	Solid	0.052 (1.32)
C2015A	24	Stranded 7/32	0.056 (1.42)

Hook-Up Wire UL 1015, CSA TEW

24 thru 10 AWG conductor. Fully annealed tinned copper per ASTM B-33. Solid or stranded. Insulation is premium grade color coded PVC. Temperature range is -20°C to 105°C. Designed to meet UL VW-1 Vertical Wire Flame Test. Nominal insulation thickness is 0.032 inches (0.81mm). ROHS compliant.

Solid Conductors

Nom. insulation thickness inches (mm) is 0.032 (0.81)

Part #	AWG Size	Nominal O.D. inches (mm)
C2119A	18	0.104 (2.64)
C2118A	20	0.096 (2.44)
C2117A	22	0.089 (2.26)



Hook-Up Wire UL 1015, CSA TEW (cont.)

Stranded Conductors

Nom. insulation thickness inches (mm) is 0.032 (0.81)

Part #	AWG Size	Cond. Strand.	Nominal O.D. inches (mm)
C2107A	10	105/30	0.184 (4.67)
C2106A	12	65/30	0.160 (4.06)
C2105A	14	41/30	0.141 (3.58)
C2104A	16	26/30	0.124 (3.15)
C2103A	18	16/30	0.112 (2.84)
C2102A	20	10/30	0.102 (2.59)
C2101A	22	7/30	0.094 (2.38)
C2100A	24	7/32	0.088 (2.23)

Hook-Up Wire

Conductor is 18 through 8 AWG fully annealed stranded bare copper per ASTM B-8. Insulation is premium-grade, color-coded PVC. Temperature Range is MTW: -40°C to +90°C, TEW/AWM: -20°C to +105°C. Jacket Marking is 18 and 16 AWG: Carol (SIZE) 600V E# MTW (UL) or TFF OR AWM VW-1 --- CSA TEW 105°C FT-1. 14 through 8 AWG is Carol (SIZE) 600V E# MTW (UL) or AWM VW-1 --- CSA TEW 105°C FT-1.

UL TYPE MTW, AWM, TFF, CSA TYPE TEW – 600 VOLT

Nom. insulation thickness inches (mm) is 0.031 (0.79)

Part #	AWG Size	Cond. Strand	Nom. O.D. inches (mm)
76512	16	23/30	0.123 (3.12)
76822	12	19/0185	0.155 (3.94)
76832	10	19/0234	0.179 (4.55)
76502	18	16/30	0.110 (2.79)
76812	14	19/0159	0.136 (3.45)
76843	8	19/0295	0.242 (6.15)



Wire & Cable - Hook-Up Wire



PVC Insulation - 80°C/105°C, 300 Volt Hook-Up Wire

Operating temperature is -40°C to 105°C for UL AWM 1569, -40°C to 90°C for CSA TR-64 and -40°C to 80°C - UL AWM 1007. Voltage rating is 300. Conductor is stranded or solid tinned copper. Color-coded PVC insulation. Specifications are UL AWM Styles 1007 and 1569, CSA TR-64. Passes UL VW-1 Flame Test. Available in 100 ft (30,5m) and 1000 ft (305m) put-ups. Stock colors are white (1), black (2), red (3), green (4), yellow (5), blue (6), brown (7), orange (8), gray (9), violet or purple (10), white/black (11), white/red (12), white/green (13), white/yellow (14), white/blue (15), white/brown (16), white/orange (17), white/gray (18), white/violet (19), green/yellow (28), yellow/green (29), pink (30).

Part #	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Dia. inches (mm)	Stock Colors
3047	30	7/38	0.016 (0,41)	0.043 (1,09)	1-10
3048	28	7/36	0.016 (0,41)	0.047 (1,19)	1-10
3049	26	7/34	0.016 (0,41)	0.051 (1,30)	1-10
3050	24	7/32	0.016 (0,41)	0.057 (1,45)	1-19, 28, 30
3050/1	24	Solid	0.016 (0,41)	0.057 (1,45)	1-10
3051	22	7/30	0.016 (0,41)	0.065 (1,65)	1-19, 28-30
3051/1	22	Solid	0.016 (0,41)	0.065 (1,65)	1-10
3053	20	10/30	0.016 (0,41)	0.071 (1,80)	1-19, 28-30

Part #	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Dia. inches (mm)	Stock Colors
3053/1	20	Solid	0.016 (0,41)	0.071 (1,80)	1-10
3055	18	16/30	0.016 (0,41)	0.080 (2,03)	1-19, 28-30
3055/1	18	Solid	0.016 (0,41)	0.080 (2,03)	1-10
3057	16	26/30	0.016 (0,41)	0.095 (2,41)	1-19, 28-30
3057/1	16	Solid	0.016 (0,41)	0.095 (2,41)	1-10

Irradiated PVC Insulated Hook-Up Wire

Exposed to controlled electron beam radiation which results in an insulation far superior to ordinary PVC. Because of its ability to resist solder iron heat, it is the ideal material to use where high reliability is essential and particularly valuable in the wiring of tight, high-density systems. Tougher than ordinary PVC resulting in greatly improved abrasion and cut-through resistance. Operating temperature for UL AWM 1430, UL AWM 3317, CSA AWM I A/B FT1, MIL-W-16878E is -55°C to 105°C (UL AWM 1429 is -55°C to 80°C.) Stranded tinned copper conductor. Color-coded, irradiated PVC (XLPVC) insulation. Specifications: UL AWM Style 1429, UL AWM Style 1430, UL AWM I A/B FT1, SA REW XLPVC FT1, MIL-W-16878E Type B, MIL-W-16878E Type C. Available in 100 ft (30,5m) and 1000 ft (305m) put-ups. Stock Colors: 1 - White, 2 - Black, 3 - Red, 4 - Green, 5 - Yellow, 6 - Blue, 7 - Brown, 8 - Orange, 9 - Gray, 10 - Violet (Purple), 29 - Yellow/Green

Part #	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Diameter inches (mm)	Stock Colors
7053	26	7/34	0.010 (0,25)	0.040 (1,02)	1-10
7054	24	7/32	0.010 (0,25)	0.045 (1,14)	1-10
7054/19	24	19/36	0.010 (0,25)	0.045 (1,14)	1-10
7055	22	7/30	0.010 (0,25)	0.051 (1,30)	1-10
7055/19	22	19/34	0.010 (0,25)	0.052 (1,32)	1-10
7056	20	7/28	0.010 (0,25)	0.059 (1,50)	1-10
7056/19	20	19/32	0.010 (0,25)	0.060 (1,52)	1-10
7057	18	7/26	0.010 (0,25)	0.070 (1,78)	1-10
7057/19	18	19/30	0.010 (0,25)	0.070 (1,78)	1-10
7058/19	16	19/29	0.010 (0,25)	0.078 (1,98)	1-10

PVC Insulation - 80°C, 1000 Volt Hook-Up Wire

Operating temperature is -40°C to 80°C. Voltage rating is 1000. Conductor is stranded or solid tinned copper. Color-coded PVC insulation. Specifications are MIL-W-76B Type MW. Available in 100 ft (30,5m) and 1000 ft (305m) put-ups. Stock colors are white (1), black (2), red (3), green (4), yellow (5), blue (6), brown (7), orange (8), gray (9), violet or purple (10), white/black (11), white/red (12), white/green (13), white/yellow (14), white/blue (15), white/brown (16), white/orange (17), white/gray (18), white/violet (19), green/yellow (28), yellow/green (29), pink (30).

Part #	Conductor AWG	Conductor Strand	Dia. inches (mm)	Stock Colors
1550	24	7/32	0.059 (1,50)	1-19
1551	22	7/30	0.064 (1,63)	1-19
1553	20	10/30	0.068 (1,72)	1-19
1557	16	26/30	0.095 (2,41)	1-19
1559	14	41/30	0.101 (2,56)	1-10
1560	12	65/30	0.125 (3,18)	1-10
1561	22	Solid	0.060 (1,52)	1-6
1561/24	24	Solid	0.055 (1,40)	1-6
1563	20	Solid	0.066 (1,68)	1-6
1565	18	Solid	0.074 (1,88)	1-6

Wire & Cable - Hook-Up Wire



PVC Insulation - 105°C, 600 Volt Hook-Up Wire

Operating temperature is -55°C to 105°C. Voltage rating is 600. Conductor is stranded tinned copper. Color-coded PVC insulation. Passes VW-1 Flame Test. Available in 100 ft (30,5m) and 1000 ft (305m) put-ups. *Also meets MIL-W-76B Type LW. Stock colors are white (1), black (2), red (3), green (4), yellow (5), blue (6), brown (7), orange (8), gray (9), violet or purple (10), white/black (11), white/red (12), white/green (13), white/yellow (14), white/blue (15), white/brown (16), white/orange (17), white/gray (18), white/violet (19), green/yellow (28), yellow/green (29), pink (30).

MIL-W-16878E, Type B

Part #	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Dia. inches (mm)	Stock Colors
1850	32	7/40	0.010 (0,25)	0.028 (0,71)	1-6
1851	30	7/38	0.010 (0,25)	0.032 (0,81)	1-6
1852	28	7/36	0.010 (0,25)	0.034 (0,86)	1-10
1853	26	7/34	0.010 (0,25)	0.038 (0,96)	1-19
1854	24	7/32	0.010 (0,25)	0.043 (1,09)	1-19
1854/19	24	19/36	0.010 (0,25)	0.043 (1,09)	1-19
1855	22	7/30	0.010 (0,25)	0.050 (1,27)	1-19
1855/19	22	19/34	0.010 (0,25)	0.050 (1,27)	1-19
1856	20	7/28	0.010 (0,25)	0.058 (1,47)	1-19
1856/19	20	19/32	0.010 (0,25)	0.058 (1,47)	1-19
1857	18	7/26	0.010 (0,25)	0.068 (1,73)	1-19
1857/19	18	19/30	0.010 (0,25)	0.068 (1,73)	1-19
1858/19	16	19/29	0.010 (0,25)	0.077 (1,96)	1-19
1859/19	14	19/27	0.010 (0,25)	0.091 (2,31)	1-10

UL 1015, CSA TEW-105

Part #	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Dia. inches (mm)	Stock Colors
3070	24	7/32	0.032 (0,81)	0.088 (2,24)	1-10, 28
3071	22	7/30	0.032 (0,81)	0.094 (2,38)	1-10, 28, 29
3073	20	10/30	0.032 (0,81)	0.100 (2,54)	1-10, 28
3075	18	16/30	0.032 (0,81)	0.112 (2,85)	1-10, 28, 29
3077	16	26/30	0.032 (0,81)	0.124 (3,14)	1-10, 28, 29
3079	14	41/30	0.032 (0,81)	0.134 (3,61)	1-10, 28, 29
3080	12	65/30	0.032 (0,81)	0.162 (3,93)	1-4



Bus Bar Hook-Up Wire

Conductor is electrolytic soft drawn and annealed solid tin plated copper. Specifications are MIL-W-3861 Type S (Inactive Military Specification) and QQ-W-343 Type S. Available in 100 ft (30,5m), 1000 ft (305m) put-ups.

Part #	Conductor AWG	Nom. Circular MIL Area, CM	Dia. inches	Dia. mm
286	14	4110	0.064	1,62
289	12	6530	0.081	2,06
295	16	2580	0.051	1,30
296	18	1620	0.040	1,02
297	20	1020	0.032	0,81
298	22	640	0.025	0,64
299	24	404	0.020	0,51
299/1	26	253	0.016	0,41
299/2	28	159	0.013	0,33
299/3	30	100	0.010	0,25

TFE Teflon® Insulated Hook-Up Wire - 250 Volt

Alpha's TEF Teflon wire family includes a full range of sizes, colors, conductor types and voltage ratings for both commercial (UL styles) and high reliability military OEM products. Rated for continuous operation in temperatures from -60°C to 200°C and retains its exceptional toughness and flexibility within this range. Not degraded by chemicals which makes it ideal for use in harsh environments. Teflon is widely regarded as the ultimate high performance wire insulation material for environments characterized by extreme thermal or chemical conditions. 250 volts. Conductor is stranded or solid silver plated copper. Insulation is color-coded, extruded TEF Teflon. Specifications - MIL-W-16878E Type ET. Passes VW-1 Flame Test. Available in 100 ft. (30,5m), 1000 ft. (305m) put-ups. 1000 ft. put-ups may contain multiple lengths. Stock colors: 1 - White, 2 - Black, 3 - Red, 4 - Green, 5 - Yellow, 6 - Blue, 7 - Brown, 8 - Orange, 9 - Gray, 10 - Violet (Purple).

Solid Conductor

Part #	Cond AWG	Insulation Thickness in. (mm)	Diameter inches (mm)	Stock Colors
2841/1	30	0.006 (0,15)	0.022 (0,55)	1-10
2842/1	28	0.006 (0,15)	0.025 (0,63)	1-10
2843/1	26	0.006 (0,15)	0.028 (0,71)	1-10



Wire & Cable - Hook-Up Wire



TFE Teflon® Insulated Hook-Up Wire - 250 Volt (cont.)

Stranded Conductor

Part #	Type Designation	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Dia. inches (mm)	Stock Colors
2840/7	ET-32	32	7/40	0.006 (0,15)	0.021 (0,53)	1-10
2841/7	ET-30	30	7/32	0.006 (0,15)	0.024 (0,61)	1-10
2842/19	ET-28	28	19/40	0.006 (0,15)	0.027 (0,68)	1-10
2843/19	ET-26	26	19/38	0.006 (0,15)	0.032 (0,81)	1-10
2843/7	ET-26	26	7/34	0.006 (0,15)	0.031 (0,78)	1-10
2844/19	ET-24	24	19/36	0.006 (0,15)	0.037 (0,94)	1-10
2845/19	ET-22	22	19/34	0.006 (0,15)	0.044 (1,12)	1-10
2845/7	ET-22	22	7/30	0.006 (0,15)	0.042 (1,07)	1-10

TFE Teflon® Insulated Hook-Up Wire - 600 Volt

Alpha's TEF Teflon wire family includes a full range of sizes, colors, conductor types and voltage ratings for both commercial (UL styles) and high reliability military OEM products. Rated for continuous operation in temperatures from -60°C to 200°C and retains its exceptional toughness and flexibility within this range. Not degraded by chemicals which makes it ideal for use in harsh environments. Teflon is widely regarded as the ultimate high performance wire insulation material for environments characterized by extreme thermal or chemical conditions. 600 volts. Conductor is stranded or solid silver plated copper. Insulation is color-coded, extruded TEF Teflon. Specifications - UL AWM Style 1213 and MIL-W-16878E Type E. Passes VW-1 Flame Test. Available in 100 ft. (30,5m), 1000 ft. (305m) put-ups. 1000 ft. put-ups may contain multiple lengths. Stock colors: 1 (white), 2 (black), 3 (red), 4 (green), 5 (yellow), 6 (blue), 7 (brown), 8 (orange), 9 (gray), 10 (violet/purple). *Not UL AWM Style 1213.

Solid Conductor

Part #	Conductor AWG	Insul. Thickness inches (mm)	Dia. inches (mm)	Stock Color
2853/1	26	0.010 (0,25)	0.036 (0,91)	1-10
2854/1	24	0.010 (0,25)	0.040 (1,02)	1-10
2855/1	22	0.010 (0,25)	0.045 (1,14)	1-10
2856/1	20	0.010 (0,25)	0.052 (1,32)	1-3
2857/1	18	0.010 (0,25)	0.060 (1,52)	1-3

Stranded Conductor

Part #	Conductor AWG	Conductor Strand	Insulation Thickness inches (mm)	Diameter inches (mm)	Stock Colors
5851	30	7/38	0.010 (2,25)	0.032 (0,81)	1-10
5852	28	7/36	0.010 (0,25)	0.036 (0,91)	1-10
5853	26	7/34	0.010 (0,25)	0.040 (1,02)	1-10
5854	24	19/36	0.010 (0,25)	0.045 (1,14)	1-10
5854/7	24	7/32	0.010 (0,25)	0.044 (1,12)	1-10
5855	22	19/34	0.010 (0,25)	0.051 (1,30)	1-10
5856	20	19/32	0.010 (0,25)	0.059 (1,50)	1-10
5856/7	20	7/28	0.010 (0,25)	0.058 (1,47)	1-10
5857	18	19/30	0.010 (0,25)	0.070 (1,78)	1-10
5859	14	19/27	0.012 (0,30)	0.094 (2,39)	1
5859/10	10	37/26	0.012 (0,30)	0.134 (3,40)	1
5859/12	12	19/25	0.012 (0,30)	0.113 (2,87)	1



Hook-Up Wire

Tinned copper conductors per ASTM B-33, B-8 or B-174. 16 MIL wall of 105°C rated PVC insulation. Listed in accordance with UL 758 and CSA C22.2 no. 127 or 210. Shown in black - also available in dark blue, brown, green, orange, red, white, yellow, grey or purple. Change suffix C to M for 1000' spool.

Part #	Gauge	Stranding	O.D.	Length
8820 0-PK	20	10/30	.068	25' package
8820 0-C	20	10/30	.068	100' spool
8822 0-PK	22	7/30	.062	25' package
8822 0-C	22	7/30	.062	100' spool
8824 0-PK	24	7/32	.056	25' package
8824 0-C	24	7/32	.056	100' spool
8826 0-44	26	7/32	.051	25' package
8826 0-26	26	7/34	.051	100' spool
8828 0-44	28	7/36	.047	25' package
8828 0-26	28	7/36	.047	100' spool

Primary Wire - Rated 80C

Stranded annealed, single conductor copper wire. General purpose thermoplastic (GPT). PVC insulated. Recommended for trucks, tractors, cars and general service. For use at 50 volts or less. Meets SAE J1128 specifications. Temperature rating of 80°C (176°F).

1000' Spools - Black

Part #	Gauge	Stranding	O.D.	Available Colors
8106 0-M	6	49/22.5	.315	Red, White
8108 0-M	8	19/21	.215	Dark Green, Red, White
8110 0-M	10	19/23	.174	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Gray, Purple, Pink
8112 0-M	12	19/25	.142	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8114 0-M	14	19/27	.117	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8116 0-M	16	19/29	.102	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8118 0-M	18	16/30	.095	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink



Wire & Cable - Hook-Up Wire



Primary Wire - Rated 80C (cont.)

100' Spools - Black

Part #	Gauge	Stranding	O.D.	Available Colors
8106 0-C	6	49/22.5	.315	Red, White
8108 0-C	8	19/21	.215	Dark Green, Red, White
8110 0-C	10	19/23	.174	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8112 0-C	12	19/25	.142	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8114 0-C	14	19/27	.117	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8116 0-C	16	19/29	.102	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8118 0-C	18	16/30	.095	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink

Mini Spools - Black

Part #	Gauge	Stranding	O.D.	Length	Available Colors
8110 0-MS	10	19/23	.174	8'	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8112 0-MS	12	19/25	.142	10'	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8114 0-MS	14	19/27	.117	20'	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8116 0-MS	16	19/29	.102	25'	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink

Mini Spools - Black

Part #	Gauge	Stranding	O.D.	Length	Available Colors
8118 0-MS	18	16/30	.095	40'	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink

Primary Wire - Rated 80C (cont.)

Packaged - Black

Part #	Gauge	Stranding	O.D.	Length	Available Colors
8106 0-PK	6	49/22.5	.315	10'	Red, White
8108 0-PK	8	19/21	.215	10'	Dark Green, Red, White
8110 0-PK	10	19/23	.174	10'	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8112 0-PK	12	19/25	.142	10'	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8114 0-PK	14	19/27	.117	25'	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8116 0-PK	16	19/29	.102	25'	Dark Blue, Light Blue, Brown, Dark Green, Light Green, Orange, Red, White, Yellow, Grey, Purple, Pink
8118 0-PK	18	16/30	.095	25'	Dark Blue, Brown, Dark Green, Orange, Red, White, Yellow, Grey, Purple, Pink



Hook-Up Wire

Tinned copper conductor. PVC insulation. For internal wiring of electronic and electrical equipment and devices.

Part #	AWG	UL Style	Nom. Insulation Thick. Inch.	Nom. O.D. Inch.
M202	22	1007/1569	.016	.062
M203	20	1007/1569	.016	.068
M204	18	1007/1569	.016	.079
M205	16	1007/1569	.016	.092
M211	24	1015	.031	.088
M212	22	1015	.031	.094
M213	20	1015	.031	.100
M214	18	1015	.031	.110
M215	16	1015	.031	.123
M216	14	1015	.031	.138
M217	12	1015	.031	.158
M218	10	1015	.031	.183
M231	24	1061	.010	.044
M232	22	1061	.010	.051
M233	20	1061	.010	.058
M234	18	1061	.010	.066
M235	16	1061	.010	.080



Wire & Cable - Home Automation



HomeChoice® Residential Data Cables

*568-B.2.



Part #	Description	Type	Category	Approvals (NEC/CEC)
1700A	4 bonded pairs, 24 AWG, solid, Enhanced Cat 5e UTP computer networking (100 BaseT)	Voice, Data	Cat 5e	CM/CM
1702A	Dual 1700A, siamese	Voice, Data	Cat 5e	CM/CM

HomeChoice® Residential Coax Cables



Part #	Description	Type	Category	Approvals (NEC/CEC)
7915A	Solid copper center conductor, Duobond Plus shield	CATV & DBS, swept 5 MHz - 2.25 GHz	Series 6	CATV, CM/CM
7916A	Solid copper center conductor, Quad shield	CATV & DBS, swept 5 MHz - 2.25 GHz	Series 6	CATV, CM/CM

HomeChoice® Composite Cable

Overall-jacketed, UL-verified Category 5e and Category 5 cables.



Part #	Component Cables	Jack Color and Type	Nom. OD in.
7911A	One Cat 5e 4-pair bonded UTP cable; One Series 6 coaxial cable Duobond Plus®	Green FR PVC	.278" x .529"
7912A	One Cat 5e 4-pair UTP cable; One Series 6 coaxial cable Duobond® IV Quad Shield	Light Green FR PVC	.297" x .548"
7910A	One Cat 5e 4-pair bonded UTP cable; One Series 6 coaxial cable Duobond Plus	Green FR PVC	.335" x .535"
7876A	Two Cat 5e 4-pair bonded UTP cable; Two Series 6 coaxial cable Duobond Plus	Green FR PVC	.610"
7877A	One Cat 5e 4-pair bonded UTP cable; One Series 6 coaxial cables Duobond Plus®	Green FR PVC	.610"
7878A	Two Cat 5e 4-pair bonded UTP cables; Two Series 6 coaxial cables Duobond Plus®; One 2-fiber LANLite® Distribution Cable	Green FR PVC	.635"
7913A	Two Cat 5 4-pair UTP cables; Two Series 6 coaxial cable Duobond IV Quad Shield	Light Green FR PVC	.660"
7914A	Two Cat 5e 4-pair UTP cables; Two Series 6 coaxial cables Duobond IV Quad Shield; One 2-fiber LANLite Distribution Cable	Light Green FR PVC	.660"
7949A	One Cat 5e 4-pair bonded UTP cable; Four 16 AWG conductors	Green FR PVC	.438"
7950A	One Cat 5 4-pair UTP cable; Four 16 AWG conductors	Light Green FR PVC	.434"
7951A	One Cat 5 4-pair UTP cable; Four 18 AWG conductors	Light Green FR PVC	.412"
7952A	One Cat 5 4-pair UTP cable; Four 14 AWG conductors	Light Green FR PVC	.301" x .552"



HomeChoice® Banana Peel® Composite Cable

Features a patent-pending design that eliminates the need for an overall jacket: Just peel the cables off the center spline. With no overall jacket, outer diameter is smaller, improving overall bend radius. Utilizes either a Bonded-Pair construction or an unbonded cable construction. Standard lengths are 500 and 1000. Cat 5e cable UTP verified (UL). Series 6 (solid bare copper conductor) is Duobond, swept to 2.25GHz. Fiber cable is Gigabit Ethernet-grade multimode fiber 62.5/125/900 micron tight buffered fiber.



Part #	Component Cables	Jack Color and Type	Nom. OD in.
7876S	Two Cat 5e 4-pair bonded UTP cables; Two Series 6 Duobond Plus coaxial cables	Blue & Green FR PVC, Black & White FR PVC	.200" .275" .550"
7878S	Two Cat 5e 4-pair bonded UTP cables; Two Series 6 Duobond Plus coaxial cables; One 2-fiber LANLite Distribution cable	Blue & Green FR PVC, Black & White FR PVC, Orange FR PVC	.200" .275" .175" .595"
7913S	Two Cat 5e 4-pair unbonded UTP cables; Two Series 6 Duobond IV Quad Shield coaxial cables	Blue & Green FR PVC, Black & White FR PVC	.200" .298" .600"
7914S	Two Cat 5e 4-pair UTP cables; Two Series 6 Duobond IV Quad Shield coaxial cables; One 2-fiber LANLite Distribution cable	Blue & Green FR PVC, Black & White FR PVC, Orange FR PVC	.200" .298" .175" .620"



Command Series® Home Entertainment Speaker Cable - NEC Type CL3

Conductor is 12, 14, 16 or 18 AWG fully annealed, stranded bare copper per ASTM B-8. Insulation is premium grade color coded Polypropylene. Jacket is PVC, command blue. Temperature range is -20°C to +60°C. NEC Article 725 Type CL3 (UL: 60C, 300V) compliant. Designed to meet UL 70,000 BTU Vertical Flame Test. Comes in 500' (152m) spools or reels. Other put-ups available. Nominal insulation thickness in inches (mm) is 0.009 (0.15). Nominal jacket wall in inches (mm) is 0.021 (0.53).

Part #	No. of Cond.	Cond. Color	AWG Size	Cond. Strand.	Nominal O.D. in (mm)
C1700	2	Red	12	65/30	0.262 (6.65)
C1701	4	Green	12	65/30	0.308 (7.82)
C1702	2	Red	14	41/30	0.232 (5.89)
C1703	4	Green	14	41/30	0.272 (6.91)
C1704	2	Red	16	26/30	0.198 (5.03)
C1705	4	Green	16	26/30	0.231 (5.87)
C1706	2	Red	18	16/30	0.174 (4.42)
C1707	4	Green	18	16/30	0.202 (5.13)

Alarm & Security

Data Communications

Part #	Description
2133693E	2 RG 6 Quad/2 Cat 5e/62.5 multimode fiber
2133692E	2 RG 6 Quad/2 Cat 5e



Wire & Cable - Burial Cable



Direct Burial Cables

Individually Shielded

20 AWG stranded (10x30). Tinned copper. Twisted pairs. Individually shielded with 100% Beldfoil®. 22 AWG stranded TC drain wire. Polypropylene insulation. Black high-density polyethylene jacket.



Part #	No. Pairs	Nom. OD in. (mm)
9883	3	.340 (8.64)
9886	6	.455 (11.56)

Overall Shield

20 AWG solid conductors. Tinned copper. Conductors cabled. Overall 100% Beldfoil® shield. 22 AWG solid TC drain wire. Polypropylene insulation. Black HDPE jacket.

Part #	No. Cond.	Nom. OD in. (mm)
9802	2	.190 (4.83)
9803	3	.205 (5.21)
9890	10	.310 (7.87)
9894	15	.390 (9.91)

Roadway Loop Cable

14 AWG stranded conductor (104x34). Tinned copper conductor. Black high-density polyethylene insulation.

Part #	No. Cond.	Nom. OD in. (mm)
9438	1	.139 (3.53)



Air Core Cable - Spec. 2101

Conductors are solid, annealed copper in sizes 19, 22, 24 and 26 AWG. Insulation is solid, high density polyethylene, color coded in accordance with telephone industry standards. Twisted pairs are insulated conductors that are twisted into pairs with varying lay lengths to minimize crosstalk. Core wrap is non-hygroscopic dielectric tape applied longitudinally with an overlap. Aluminum shield is corrugated 0.008" aluminum tape applied longitudinally with an overlap. Jacket is black, linear low density polyethylene. Compliance is Telcordia (Bellcore) specification GR-421-CORE.

Part #	Pairs AWG	O.D. Inches	Weight Lbs/Mft	Std. Lgth (ft.)
6937064	100/24	0.86	395	3000
6964795	400/24	1.5	1400	1000
6964811	300/24	1.4	1070	1000
6983381	900/24	2.2	3050	1000

Filled Solid Cable - Spec. 2002

Conductors are solid, annealed copper; sizes 19, 22, 24 and 26 AWG. Insulation is solid, high density polyethylene, color coded in accordance with telephone industry standards. Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. The entire core assembly is completely filled with TPR compound, filling the interstices between the pairs and under the core tape. Non-hygroscopic dielectric tape applied longitudinally with an overlap. Aluminum shield is corrugated, copolymer coated, 0.008" aluminum tape applied longitudinally with an overlap. The sheath interfaces are flooded with an adhesive water blocking compound. Jacket is black, linear low density polyethylene. Intended for duct and direct buried installations where protection against water and moisture entry is required. Rural Utilities Service (RUS) 7 CFR 1755.390 (REA PE-39) compliant.

Part #	Pairs AWG	O.D. Inches	Weight Lbs/Mft	Std. Lgth (ft.)
7524598	100/22	1.2	840	2500
7524655	50/24	0.81	330	500
7524648	25/24	0.61	185	5000
7524556	6/22	0.45	95	5000

Direct Burial, Audio and Communication Cable

Conductor is 20 AWG fully annealed solid tinned copper per ASTM B-33. Insulation is premium grade, color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing out. Solid tinned copper drain wire. Jacket is Permaline® high density polyethylene, black. temperature range is -20°C to 80°C. Applications are suitable for direct burial, outdoor uses and 100% shielded cable where RF shielding is required. Suggested voltage rating is 350 volts. Premaline® jackets resist deterioration. Sunlight resistant. Highly durable jacket. Packaging is 1000' (305m) spools or reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is solid. Nom. Insulation Thickness in inches (mm) is 0.013 (0.33). Nom Jacket Thickness in inches (mm) is 0.039 (0.99) except C2509 is 0.037 (0.94). C2509 ROHS compliant.

Part #	No. of Cond.	Nominal O.D. - inches (mm)
C2509A	2	0.190 (4.83)
C2510	3	0.205 (5.21)
C2511	10	0.310 (7.87)

Direct Burial, Audio and Communication

Conductor is 20 AWG fully annealed solid tinned copper per ASTM B-33. Insulation is premium grade, color coded polyethylene. Shield is 100% Flexfoil® aluminum/polyester with 25% overlap, minimum, foil facing in. Individually shielded pairs. Jacket is Permaline® high density polyethylene, black. temperature range is -20°C to 80°C. Applications are suitable for direct burial, outdoor uses and applications where total isolation of signal is required. Suggested voltage rating is 350 volts. Premaline® jackets resist deterioration. Sunlight resistant. Packaging is 1000' (305m) reels and 500' (152m) spools or reels. Other put-ups available. Cond. Strand. is 10/30. Nom. Insulation Thickness in inches (mm) is 0.013 (0.33). Nom Jacket Thickness in inches (mm) is 0.045 (1.14). Nom. Cap.* pF/ft - A (B) is 30.0 (55.0). *A - Capacitance between conductors. *B - Capacitance between one conductor and other conductors connected to shield.

Part #	No. of Pairs	Nominal O.D. - inches (mm)
C6061	3	0.340 (8.64)
C6062	6	0.442 (11.23)

Filled Solid Copper-Bearing Gopher-Resistant Cable - Spec. 2002

Conductors are solid, annealed copper. Insulation is solid, high density polyethylene, color coded in accordance with telephone industry standards. Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape. Non-hygroscopic dielectric tape applied longitudinally with an overlap. Copper shield is corrugated, copper-bearing gopher-resistant tape applied longitudinally with an overlap. The sheath interfaces are flooded with an adhesive water blocking compound. Jacket is black, linear low density polyethylene. Rural Utilities Service (RUS) 7 CFR 1755.390 (REA PE-39) compliant.

Part #	Pairs/AWG	O.D. (in.)	Wgt. Lbs/Mft	Std. Lgth (ft.)
7528003	6/22	0.45	105	5000
7528011	12/22	0.56	170	5000
7528037	25/22	0.71	290	5000
7528045	50/22	0.95	520	5000
7528102	6/24	0.43	95	5000
7528110	12/24	0.51	135	5000
7528136	25/24	0.61	215	5000
7528144	50/24	0.81	375	5000



Wire & Cable - Burial Cable



Outside Voice & Data - Filled Core Cables

Filled Foam Skin Quality Alpeth® Cable

Engineering specification is 2007. Type is RUS (REA). Product specification is PE-89. Conductors are solid annealed copper. Insulation is dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, color coded in accordance with telephone industry standards. Pairs are assembled together in a single group. The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape. Core wrap is non-hygroscopic dielectric tape applied longitudinally with an overlap. Conductor size is 24 AWG. Aluminum shielding. Standard packaging is per order length (pol). Rural Utilities Service (RUS) 7 CFR 1755.890 (REA PE-89) compliant.



Part #	Pairs AWG	O.D. Inches	Weight Lbs/Mft	Std. Lgth (ft.)
7525652	100/22	1.1	725	2500
7525785	25/24	0.59	175	5000
7525769	12/24	0.46	100	5000
7525835	200/24	1.2	900	2500

Filled Foam Skin CACSP Cable

Engineering specification is 2007. Type is RUS (REA). Product specification is PE-89. Conductors are solid annealed copper. Insulation is dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, color coded in accordance with telephone industry standards. Pairs are assembled together in a single group. Pairs are arranged in groups, each group having a color coded unit binder. The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape. Core wrap is non-hygroscopic dielectric tape applied longitudinally with an overlap. CACSP sheath aluminum shield is corrugated, copolymer coated, 0.008" aluminum tape applied longitudinally over the core wrap. CACSP sheath steel shield is corrugated, copolymer coated, 0.006" steel tape applied longitudinally over the aluminum tape with an overlap. The sheath interfaces are flooded with an adhesive water blocking compound. The jacket is black, linear low density polyethylene. Coated aluminum/coated steel shielding. Standard packaging is per order length (pol). Rural Utilities Service (RUS) 7 CFR 1755.890 (REA PE-89) compliant.




Part #	Cond. Size (AWG)	No. of Pairs	Outside Diameter (in)	Weight (lbs. per 1,000 ft.)
7526551	22	6	0.47	125
7526692	24	50	0.72	330
7526684	24	25	0.60	210

Filled Solid Cable

RUS (REA) PE-39 AL. Core Construction: Conductors are solid, annealed copper, sizes 19, 22 and 24 AWG. Insulation: solid, high density polyethylene, color-coded in accordance with telephone industry standards. Twisted Pairs: Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. Core Assembly: 25 pairs and less; pairs are assembled together in a single group. More than 25 pairs; pairs are arranged in groups, each group having a color-coded unit binder. Filling Compound: The entire core assembly is completely filled with ETPR compound, filling the interstices between the pair and under the core tape. Core Wrap: Non-hygroscopic dielectric tape applied longitudinally with an overlap. Sheath: Aluminum Shield: Corrugated, copolymer coated, 0.008" aluminum tape applied longitudinally with an overlap. The sheath interfaces are flooded with an adhesive water-blocking compound. Jacket: Black, linear low density polyethylene. Higher pair counts available.

Part #	Pairs AWG	O.D. Inches	Weight lbs/mft	Standard Length (ft)
7524507	6/19	0.60	150	5000
7524515	12/19	0.75	275	5000
7524523	25/19	0.97	490	5000
7524531	50/19	1.3	910	2500
7524564	12/22	0.56	155	5000
7524572	25/22	0.71	260	5000
7524580	50/22	0.95	475	5000
7524598	100/22	1.2	840	2500
7524911	150/22	1.4	1210	2500
7524606	200/22	1.7	1610	2500
7524614	6/24	0.43	80	5000
7524622	12/24	0.51	120	5000
7524648	25/24	0.61	185	5000
7524655	50/24	0.81	330	5000
7524663	75/24	0.92	450	5000
7524671	100/24	1.0	580	5000
7524689	150/24	1.2	820	5000
7524697	200/24	1.3	1030	2500



Tubing

Cable Ties

Velcro

Pulling Rope

Fish Tape

Installation
Accessories



Wire & Cable - Burial Cable



Filled Solid 5-Mil Copper Cable

RUS (REA) PE-39 CU. Core Construction: Conductors are solid, annealed copper; sizes 19, 22 and 24 AWG. Insulation: solid, high density polyethylene, color-coded in accordance with telephone industry standards. Twisted Pairs: insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. Core Assembly: 25 pairs and less; pairs are assembled together in a single group. More than 25 pairs; pairs are arranged in groups, each group having a color-coded unit binder. Filling Compound: The entire core assembly is completely filled with the ETPR compound, filling the interstices between the pairs and under the core tape. Core Wrap: Non-hygroscopic dielectric tape applied longitudinally with an overlap. Sheath: Copper Shield: Corrugated, bare 0.005" copper tape applied longitudinally with an overlap. The sheath interfaces are flooded with an adhesive water-blocking compound. Jacket: Black, linear low density polyethylene. Higher pair counts available.

Part #	Pairs AWG	O.D. Inches	Weight lbs/mft	Standard Length (ft)
7525009	6/19	0.60	170	5000
7525017	12/19	0.75	300	5000
7525025	25/19	0.97	525	5000
7525033	50/19	1.3	960	2500
7525058	6/22	0.45	105	5000
7525066	12/22	0.56	170	5000
7528565	18/22	0.66	235	5000
7525074	25/22	0.71	285	5000
7525082	50/22	0.95	505	5000
7528573	75/22	1.1	715	5000
7525090	100/22	1.2	885	2500
7528581	150/22	1.4	1260	2500
7525108	200/22	1.7	1670	2500
7525116	6/24	0.43	95	5000
7525124	12/24	0.51	135	5000
7525140	25/24	0.61	200	5000
7525157	50/24	0.81	355	5000
7525165	75/24	0.92	475	5000
7525173	100/24	1.0	610	5000
7525181	150/24	1.2	855	5000
7525199	200/24	1.3	1070	2500

Filled Solid Copper-Bearing Gopher-Resistant Cable

RUS (REA) PE-39 GR. Core Construction: Conductors: Solid, annealed copper; sizes 19, 22 and 24 AWG. Insulation: Solid, high density polyethylene, color-coded in accordance with telephone industry standards. Twisted Pairs: Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. Core Assembly: 25 pairs and less; pairs are assembled together in a single group. More than 25 pairs; pairs are arranged in groups, each group having a color-coded unit binder. Filling Compound: The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape. Core Wrap: Non-hygroscopic dielectric tape applied longitudinally with an overlap. Sheath: Copper-Bearing Shield: Corrugated, copper-bearing gopher-resistant tape applied longitudinally with an overlap. The sheath interfaces are flooded with an adhesive water-blocking compound. Jacket: Black, linear low density polyethylene. Higher pair counts available.

Part #	Pairs AWG	O.D. Inches	Weight lbs/mft	Standard Length (ft)
7528755	6/19	0.60	165	5000
7528763	12/19	0.75	315	5000
7528789	25/19	0.97	540	5000
7528797	50/19	1.3	980	2500
7528029	18/22	0.66	245	5000
7528052	75/22	1.1	730	5000
7528060	100/22	1.2	900	2500
7528078	150/22	1.4	1280	2500
7528086	200/22	1.7	1700	2500
7528128	18/24	0.57	175	5000
7528151	75/24	0.92	495	5000
7528169	100/24	1.0	630	5000
7528177	150/24	1.2	885	5000
7528185	200/24	1.3	1100	2500

Filled Foam Skin Cable

RUS (REA) PE-89 AL. Core Construction: Conductors: Solid, annealed copper; sizes 19, 22 and 24 AWG. Insulation: Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, color-coded in accordance with telephone industry standards. Twisted Pairs: Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. Core Assembly: 25 pairs and less; pairs are assembled together in a single group. More than 25 pairs; pairs are arranged in groups, each group having a color-coded unit binder. Filling Compound: The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape. Core Wrap: Non-hygroscopic dielectric tape applied longitudinally with an overlap. Sheath: Aluminum Shield: Corrugated, copolymer-coated, 0.008" aluminum tape applied longitudinally with an overlap. The sheath interfaces are flooded with an adhesive water-blocking compound. Jacket: Black, linear low density polyethylene. Higher pair counts available.

Part #	Pairs AWG	O.D. Inches	Weight lbs/mft	Standard Length (ft)
7525504	6/19	0.57	155	5000
7525512	12/19	0.66	230	5000
7525538	25/19	0.87	415	5000
7525595	6/22	0.47	100	5000
7525603	12/22	0.54	140	5000
7525629	25/22	0.65	230	5000
7525637	50/22	0.83	400	5000
7525678	200/22	1.4	1330	2500
7525751	6/24	0.40	70	5000
7525793	50/24	0.72	290	5000
7525819	100/24	0.90	490	5000
7525827	150/24	1.1	690	5000

Filled Foam Skin CACSP Cable

RUS (REA) PE-89 CACSP. Core Construction: Conductors: Solid, annealed copper; sizes 22 and 24 AWG. Insulation: Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, color-coded in accordance with telephone industry standards. Twisted Pairs: Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk. Core Assembly: 25 pairs and less; pairs are assembled together in a single group. More than 25 pairs; Pairs are arranged in groups, each group having a color-coded unit binder. Filling Compound: The entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape. Core Wrap: Non-hygroscopic dielectric tape applied longitudinally with an overlap. CACSP Sheath: Aluminum Shield: Corrugated, copolymer-coated, 0.008" aluminum tape applied longitudinally over the core wrap. Steel Shield: Corrugated, copolymer-coated, 0.006" steel tape applied longitudinally over the aluminum tape with an overlap. The sheath interfaces are flooded with an adhesive water-blocking compound. Jacket: Black, linear low density polyethylene. Higher pair counts available.

Part #	Pairs AWG	O.D. Inches	Weight lbs/mft	Standard Length (ft)
7526569	12/22	0.54	180	5000
7526577	25/22	0.65	280	500
7526585	50/22	0.83	465	5000
7526601	100/22	1.1	790	2500
7526619	200/22	1.4	1430	2500
7071608	6/24	0.40	90	5000
7526668	12/24	0.46	125	5000
7526718	100/24	0.90	550	5000
7526726	150/24	1.1	750	5000
7526734	200/24	1.2	980	2500



