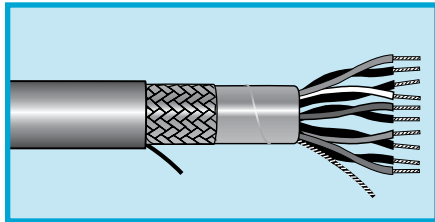


Communication and Control

300 V Foil/Braid Shield, Multipair, PE, PVC

Low-Capacitance, 100-Ohm Computer Cable

Alpha
Essentials



UL AWM 2960 (30 V)

UL 2919 (30 V)

UL CM

CSA CM

Applications

- RS-422
- Modems
- Multiplexers

Operating Temperature

- -20°C to +80°C (AWM 2919)
- -20°C to +75°C (CM)
- -20°C to +60°C (AWM 2960)

Conductor Color Coding

- Chart K for 28 AWG
- Chart M for 24 AWG

Materials

- Stranded tinned copper conductors
- Polyethylene insulation
- Foil + braid shield
Aluminum/polyester foil shield, 25% overlap min.
Foil facing outward
Stranded tinned copper drain wire equal in size to conductor
Tinned copper braid, 90% coverage (65% where noted)
- Slate PVC jacket

Availability

100 ft (30.5 m)
500 ft (152 m)
1000 ft (305 m)
Bulk, cut to length
(Minimums may apply)

UL AWM 2960, CM

28 AWG (0.08 mm²)

Stranding: 7/36 (7 x 0.12 mm)
Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3970	2	0.205	5.21	0.032	0.81
M3971	3	0.214	5.44	0.032	0.81
M3972	4	0.229	5.82	0.032	0.81
M3973	5	0.246	6.25	0.032	0.81
M3974	7	0.263	6.68	0.032	0.81
M3975	9	0.299	7.59	0.032	0.81
M3977	12	0.329	8.36	0.032	0.81
M3931	13	0.335	8.51	0.032	0.81
M3978	18	0.377	9.58	0.032	0.81
M3979	25	0.440	11.18	0.032	0.81

Mutual capacitance: 15.5 pF/ft (50.9 pF/m)
Ground capacitance: 27.5 pF/ft (90.2 pF/m)

UL AWM 2919, CM

24 AWG (0.22 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.016 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
M3993[†]	1	0.208	5.28	0.035	0.89
M3980*	2	0.274	6.96	0.032	0.81
M3990[†]	2	0.280	7.11	0.035	0.89
M3981*	3	0.288	7.32	0.032	0.81
M3991[†]	3	0.294	7.47	0.035	0.89
M3982*	4	0.312	7.92	0.032	0.81
M3992[†]	4	0.318	8.08	0.035	0.89
M3983*	5	0.339	8.61	0.032	0.81
M3940*	6	0.367	9.32	0.032	0.81
M3984*	7	0.367	9.32	0.032	0.81
M3985*	9	0.424	10.77	0.032	0.81
M3986*	10	0.457	11.61	0.032	0.81
M3987*	12	0.482	12.24	0.037	0.94

Mutual capacitance: 15.5 pF/ft (50.9 pF/m)
Ground capacitance: 27.5 pF/ft (90.2 pF/m)

[†]120-ohm impedance
Mutual capacitance: 12.8 pF/ft (42 pF/m)
Ground capacitance: 23 pF/ft (75 pF/m)

*65% braid coverage.