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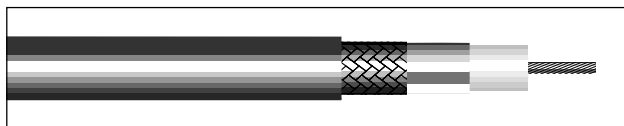
[Alpha Wire](#)
[9881C BK001](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

LOCAL AREA NETWORK ETHERNET COAXIAL CABLES

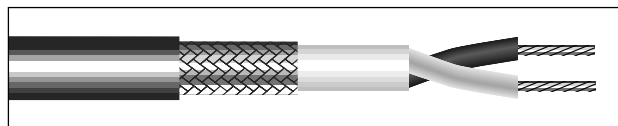
PLENUM AND
NON-PLENUM

COMMERCIAL GRADE THIN-NET COAXIAL CABLE 10 MBPS



Alpha Part No.	Description	Ohms	Rating
9861C	DEC Thinwire	50	Non-Plenum
9861F	DEC Thinwire	50	Plenum
9881C	Ethernet "Thinnet"	50	Non-Plenum

TWINAXIAL TYPE CABLE APPLE TALK LAN CABLE



Alpha Part No.	Description	Ohms	Rating
9888C	Twinax Type	78	Non-Plenum

Alpha Wire offers economical commercial-grade LAN cable alternatives. These cables are designed around the IEEE specifications, but utilize cellular (foam) dielectric to reduce size and material while still offering equivalent electrical and environmental performance. Because a cellular dielectric is used, the diameter must be reduced to achieve the same electrical performance. This has an added benefit of reducing the cost of materials. However, it does not strictly meet the diameter (4,9 mm ± 0,3 mm diameter for PVC or 4,7 mm ± 0,3 mm for fluoropolymer jacket) required by the IEEE 802.3, 10Base specification. Therefore, we call it commercial grade.

PRODUCT DESCRIPTION

Alpha Part No.	Description	Conductor AWG Stranding Material* DCR Ohms/1000' (/Km)	Dielectric Material* Diameter Inches (mm)	Shield & Material* Ohms/1000' (Ohms/Km)	Jacket Material* Nom. O.D. Inches (mm)	Vel. of Prop %	Nominal Capacitance pF/FT (pF/m)	Nominal Attenuation db/100' (db/100m) @ MHz
9861C Type CL2 – 150V / 60°C UL AWM 1354 – 30V / 60°C CSA CMG FT4	DEC ThinWire DEC P/N: 17-01248-00 Ohms: 50 Non-Plenum	20 19/0.0076* TC 10.0 (32,8)	Cellular PE 0.101 (257)	A/P/A + 92% TC Braid 6.2 (20,3)	Gray PVC 0.180 (4,57)	78	25.4 (83,3)	Maximum: 6 dB/607 Ft @ 5 (6 dB/185 m) @ 5 8.5 dB/607 Ft @ 10 (8.5 dB/185 m) @ 10
9861F Type CL2P CSA CMP FT6 150V / 125°C	DEC ThinWire DEC P/N: 17-01246-00 Ohms: 50 Plenum	20 19/0.0076* TC 10.0 (32,8)	Cellular FEP Teflon®* 0.101 (2,57)	A/P/A + 92% TC Braid 6.2 (20,3)	Gray Tint FP 0.166 (4,22)	78	27.0 (88,6)	Maximum: 6 dB/607 Ft @ 5 (6 dB/185 m) @ 5 8.5 dB/607 Ft @ 10 (8.5 dB/185 m) @ 10
9881C Type CL2 CSA CMG FT4 300V / 60°C	Ethernet "Thinnet" Ohms: 50 Non-Plenum	20 19/32 TC 10.0 (32,8)	Cellular PE 0.102 (2,59)	A/P/A + 95% TC Braid 3.5 (11,5)	Black PVC 0.180 (4,57)	78	25.5 (83,6)	Maximum: 6 dB/607 Ft @ 5 (6 dB/185 m) @ 5 8.5 dB/607 Ft @ 10 (8.5 dB/185 m) @ 10

Alpha Part No.	Description	Conductor		Material* Thickness Diameter Inches (mm)	Insulation Shield Material* DCR Ohms/1000' (Ohms/Km)	Jacket Material* Nom. O.D. Inches (mm)	Vel. of Prop %	Nominal Capacitance pF/FT (pF/m)	Nominal Attenuation db/100' (db/100m) @ MHz
		No. of Cond.	AWG Stranding Material* Ohms/1000' (/Km)						
9888C Type CM – 300V / 60°C UL AWM 2726 – 30V / 60°C CMG FT4	Twinax Type Ohms: 78 Non-Plenum	2 Cond.	22 7/30 TC 16.4 (53,8)	Solid PE 0.058 (1,47)	85% TC Braid 5 (16,4)	Gray PVC 0.185 (4,70)	66	19.7 (64,6)	0.8 (2,6) @ 1 2.5 (8,2) @ 10 4.5 (14,8) @ 50 9.5 (31,2) @ 100 20.0 (65,6) @ 400 32.0 (105,0) @ 1000

*Refer to Materials Abbreviation Guide on Page 254

*Registered trademark of E.I. DuPont Co.

SPECIFICATIONS



AVAILABILITY

■ See Page 275 for available put-ups



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