

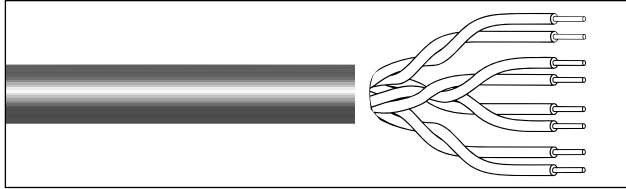
# LOCAL AREA NETWORK

## UNSHIELDED TWISTED PAIR (UTP)

### CATEGORY 5e

**PLENUM AND  
NON-PLENUM**

#### UNSHIELDED TWISTED PAIR (UTP) SOLID CONDUCTOR, CATEGORY 5e, 100 Mbps.



**NEW!**  
Introducing Alpha's new Category 5 Enhanced Cable. Alpha's Cat 5e supports current Category 5 enhanced applications such as 100 base TX, 100 base VG anylan and 155 ATM. Alpha's Cat 5e will support future Cat 5 enhanced applications like Gigabit Ethernet.

Nominal Impedance Ohms @ MHz
100 ± 15% 1.0-100 MHz
100 ± 25% 100.1-200.0 MHz

COLOR CODE INFORMATION
Alpha Part Nos.: <b>9504CE</b> & <b>9504FE</b> White/Blue & Blue White/Orange & Orange White/Green & Green White/Brown & Brown

Alpha Part No.	Rating	Ohms @ MHz
<b>9504CE</b>	<b>Non-Plenum</b>	See Chart at Right
<b>9504FE</b>	<b>Plenum</b>	See Chart at Right

270

## PRODUCT DESCRIPTION

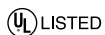
Alpha Part No.	Application	Conductor		Insulation Material* Thickness Diameter Inches (mm)	Nominal Capacitance pF/FT (pF/m)	Jacket Material* Nom. O.D. Inches (mm)	Maximum Attenuation dB/100' (dB/100m) @ MHz	Minimum Near End Cross-Talk dB/100' (dB/100m) @ MHz
		No. of Pairs	AWG Stranding Material* DCR Ohms/1000' (/Km)					
<b>9504CE</b> 300V / 60°C Type CMG CMG FT4 Non-Plenum Rated	ANSI/TIA/EIA-568-A-5 Category 5e ISO/IEC 11801 Category 5 NEMA WC-63.1 Category 5e	4	24 Solid BC 28.4 (98,2) Max.	Polyolefin 0.008 (0,20) 0.037 (0,94)	Maximum 15 (49,2) @ 1 KHz	Slate, Blue, White PVC 0.210 (5,33)	0.61 (2,0) @ 1.0 1.25 (4,1) @ 4.0 1.77 (5,8) @ 8.0 1.98 (6,5) @ 10.0 2.50 (8,2) @ 16.0 2.83 (9,3) @ 20.0 3.17 (10,4) @ 25 3.57 (11,7) @ 31.25 5.18 (17,0) @ 62.5 6.71 (22,0) @ 100 8.53 (28,0) @ 155 9.88 (32,4) @ 200	19.0 (62,3) @ 1.0 16.2 (53,3) @ 4.0 14.9 (48,8) @ 8.0 14.4 (47,3) @ 10.0 13.5 (44,3) @ 16.0 13.0 (42,8) @ 20.0 12.6 (41,3) @ 25 12.2 (39,9) @ 31.25 10.8 (35,4) @ 62.5 9.8 (32,3) @ 100 9.0 (29,5) @ 155 8.5 (27,8) @ 200

Alpha Part No.	Application	Conductor		Insulation Material* Thickness Diameter Inches (mm)	Nominal Capacitance pF/FT (pF/m)	Jacket Material* Nom. O.D. Inches (mm)	Maximum Attenuation dB/100' (dB/100m) @ MHz	Minimum Near End Cross-Talk dB/100' (dB/100m) @ MHz
		No. of Pairs	AWG Stranding Material* DCR Ohms/1000' (/Km)					
<b>9504FE</b> 300V / 60°C Type CMP CMP FT6 Plenum Rated	ANSI/TIA/EIA-568-A-5 Category 5e ISO/IEC 11801 Category 5 NEMA WC-63.1 Category 5e	4	24 Solid BC 28.4 (98,2) Max.	FEP Teflon* 0.007 (0,18) 0.034 (0,86)	Maximum 15 (49,2) @ 1 KHz	Slate, Blue, White Plenum 0.200 (5,08)	0.61 (2,0) @ 1.0 1.25 (4,1) @ 4.0 1.77 (5,8) @ 8.0 1.98 (6,5) @ 10.0 2.50 (8,2) @ 16.0 2.83 (9,3) @ 20.0 3.17 (10,4) @ 25 3.57 (11,7) @ 31.25 5.18 (17,0) @ 62.5 6.71 (22,0) @ 100 8.53 (28,0) @ 155 9.88 (32,4) @ 200	19.0 (62,3) @ 1.0 16.2 (53,3) @ 4.0 14.9 (48,8) @ 8.0 14.4 (47,3) @ 10.0 13.5 (44,3) @ 16.0 13.0 (42,8) @ 20.0 12.6 (41,3) @ 25 12.2 (39,9) @ 31.25 10.8 (35,4) @ 62.5 9.8 (32,3) @ 100 9.0 (29,5) @ 155 8.5 (27,8) @ 200

\*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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