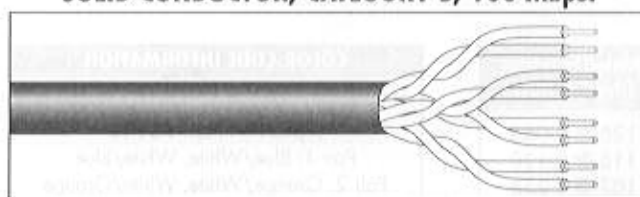


# LOCAL AREA NETWORK

## UNSHIELDED TWISTED PAIR (UTP) CATEGORY 5

**PLENUM AND  
NON-PLENUM**

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



Alpha Part No.	Rating	Ohms @ MHz
<b>9504C</b>	<b>Non-Plenum</b>	See Chart at Right
<b>9504F</b>	<b>Plenum</b>	See Chart at Right
<b>9525F</b>	<b>Plenum</b>	See Chart at Right

#### Nominal Impedance Ohms @ MHz

125 @ 0.064
107 @ 0.256
99 @ 1
100 @ 1 - 100

#### COLOR CODE INFORMATION

See Chart M  
Page 368

## PRODUCT DESCRIPTION

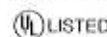
Alpha Part No.	Application	Conductor AWG Stranding Material* DCR Ohms/1000' (/Kcm)	Nominal Capacitance pF/FT (pF/m)	Nominal Attenuation dB/100' (dB/100m) @ MHz	Worst Near End Cross-Talk dB @ 1000' @ MHz
<b>9504C</b> 300V / 60°C Type CM PCC FT4	EIA/TIA 568 10 Mbps IEEE 802.3 (10BaseT) ICEA-S-80-576	24 Solid BC 28.4 (98,2) Max.	Maximum: 17 (55,8) @ 1 KHz  17 (55,8) @ 1 MHz	Maximum: — @ 0.002 — @ 0.008 — @ 0.064 — @ 0.256 — @ 0.512 0.55 (1,8) @ 0.772 0.63 (2,07) @ 1 1.3 (4,26) @ 4 1.8 (5,90) @ 8 2.0 (6,56) @ 10 2.5 (8,20) @ 16 2.8 (9,18) @ 20 3.2 (10,5) @ 25 3.6 (11,8) @ 31.25 5.2 (17,1) @ 62.50 6.7 (22,0) @ 100	— — @ 0.002 — @ 0.008 — @ 0.064 — @ 0.256 — @ 0.512 64 @ 0.772 62 @ 1 53 @ 4 48 @ 8 47 @ 10 44 @ 16 42 @ 20 41 @ 25 40 @ 31.25 35 @ 62.50 32 @ 100
<b>9504F</b> 300V / 60°C Type CMP PCC FT6	4-16 Mbps IEEE 802.5 4 Mbps Arcnet 20 Mbps Arcnet Plus ICEA-S-80-576				
<b>9525F</b> 300V / 60°C Type CMP PCC FT6	100 Mbps ANSI X3T9.5-TPDDI (Standard Pending) NEMA Low Loss				

Alpha Part No.	Conductor No. of Pairs	Insulation Material* Thickness Diameter Inches (mm)	Jacket Material* Nom. O.D. Inches (mm)	Vel. of Prop %
<b>9504C</b> Type CM PCC FT4	4	Flame Retardant PE 0.009 (0,23) 0.038 (0,97)	Gray or Blue PVC 0.200 (5,08)	66
<b>9504F</b> Type CMP PCC FT6	4	FEP Teflon** 0.007 (0,18) 0.034 (0,86)	Gray, White or Blue Plenum-PVC 0.170 (4,31)	73
<b>9525F</b> Type CMP PCC FT6	25	FEP Teflon** 0.007 (0,18) 0.034 (0,86)	White Plenum-PVC 0.630 (16,0)	73

\*Refer to Materials Abbreviation Guide on Page 232

\*\*Registered trademark of E.I. DuPont Co.

## SPECIFICATIONS



## AVAILABILITY

■ See Page 255 for available put-ups



**IN U.S.: 1-800-52 ALPHA  
IN CANADA: 1-800-533-ALPHA**

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OUTSIDE U.K.: +44-1932-772422**