

Category 3

Part Number: Plenum3504/Non-Plenum35N4

4 Twisted Pair Cable

Plenum: ETL Type CMP C(ETL) CMP

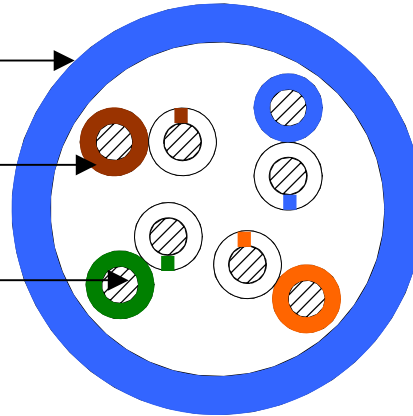
Non-Plenum: ETL Type CMR, C(ETL) CMG

4 Twisted Pair Cable

Outer Jacket
 Plenum: CommFlex
 Non-Plenum: PVC

Pair Insulation
 Plenum: PVC
 Non-Plenum: PE

24 AWG Solid Copper



Pair Identification

Pair 1	Blue/White w/Coextruded Blue Stripe on White Single
Pair 2	Orange/White w/Coextruded Orange Stripe on White Single
Pair 3	Green/White w/Coextruded Green Stripe on White Single
Pair 4	Brown/White w/Coextruded Brown Stripe on White Single

Mechanical Specification	Plenum	Non-Plenum
Nominal Jacket OD	0.186"	0.175"
Nominal Jacket Thickness	0.014"	0.018"
Jacket Minimum Spot Thickness	0.011"	0.013"
Installation Temperature	0°C to 60°C	
Operation Temperature	-20°C to 60°C	

Available Packaging: Box or Reel

Available Colors: White, Blue, Yellow, Green, Purple, Pink and Gray



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Electrical Performance

Frequency MHz	Attenuation (dB/100m)	Near End Cross Talk (dB)	Structural Return Loss (dB)
	EIA/TIA 568 Category 3	EIA/TIA 568 Category 3	
.772	2.2	43	NA
1.0	2.6	41	12
4.0	5.6	32	12
8.0	8.5	27	12
10.0	9.7	26	12
16.0	13.1	23	10

(All tests include swept frequency measurements)

Structural Return Loss	≥ 12 $\geq 12 - 10 \log(\text{freq}/10)$	$1 \leq \text{freq} \leq 10$ $10 \leq \text{freq} \leq 16$
Near End Cross-Talk	$\geq 43 - 15 \log(\text{freq}/0.772)$	$0.772 \leq \text{freq} \leq 16$
Attenuation	$\leq 2.320 \cdot \sqrt{\text{freq}} + 0.238 \cdot \text{freq}$	$0.772 \leq \text{freq} \leq 16$
Characteristic Impedance	100 ohms \pm 15%	
Capacitance	20 pf/ft nominal	
DC Resistance/Unbalance	28.6 ohms/1000' Max/5% Max	
Dielectric Breakdown	2500 Volts DC Conductor to Conductor	
Nom. Velocity of Propagation, NVP	62% Plenum 71% Non-Plenum	



Drawings not to Scale
 Specifications subject to change
 Revision: 06/01/06