

# DataPipe™

ANSI/TIA/EIA 568 Category 5e

ISO/IEC 11801

4 Twisted Pair Cable

Part Number: Plenum5E55/Non-Plenum5EN5

Plenum: ETL Type CMP,C(ETL)CMP

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

ETL Verified Electrical Performance



1100 CommScope Place SE  
PO Box 1729  
Hickory, NC 28603-1729

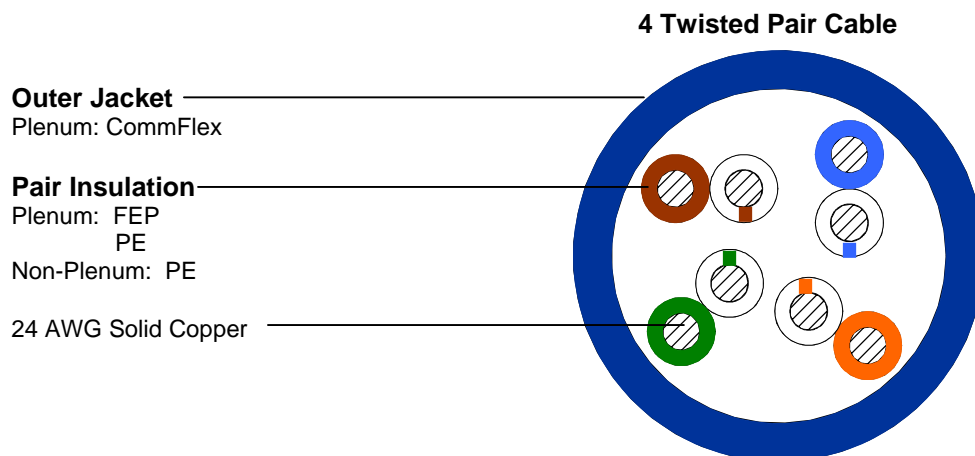
(800) 982-1708  
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### Pair Identification

Pair 1	Blue/White w/Co-Extruded Blue Stripe on White Single
Pair 2	Orange/White w/Co-Extruded Orange Stripe on White Single
Pair 3	Green/White w/Co-Extruded Green Stripe on White Single
Pair 4	Brown/White w/Co-Extruded Brown Stripe on White Single

Mechanical Specification	Plenum	Non-Plenum
Nominal Jacket OD	0.175"	0.200"
Nominal Jacket Thickness	0.016"	0.022"
Jacket Minimum Spot Thickness	0.012"	0.018"
Installation Temperature 0°C to 60°C		
Operation Temperature -20°C to 60°C		

**Available Packaging:** Reel in a box, Reel or Compak  
**Available Colors:** White, Blue, Yellow, Gray and Pink

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## Electrical Performance

Frequency MHz	Attenuation (dB/100m) Max	Pair to Pair		Return Loss (dB) Min	ACR (dB) Min	Power Sum		
		NEXT (dB) Min	ELFEXT (dB/100m) Min			NEXT (dB) Min	ELFEXT (dB/100m) Min	ACR (dB) Min
.772	1.8	67.0	66.0	NA	65.2	64.0	63.0	62.0
1.0	2.0	65.3	63.8	20.0	63.3	62.3	60.8	60.3
4.0	4.1	56.3	51.7	23.0	52.2	53.3	48.7	49.2
8.0	5.8	51.8	45.7	24.5	46.0	48.8	42.7	43.0
10.0	6.5	50.3	43.8	25.0	43.8	47.3	40.8	40.8
16.0	8.2	47.3	39.9	25.0	39.0	44.3	36.7	36.0
20.0	9.2	45.8	37.7	25.0	36.5	42.8	34.7	33.5
25.0	10.4	44.3	35.8	24.3	33.9	41.3	32.8	30.9
31.25	11.7	42.9	33.9	23.6	31.2	39.9	30.9	28.2
62.5	17.0	38.4	27.8	21.5	21.4	35.4	24.8	18.4
100.0	22.0	35.3	23.8	20.1	13.3	32.3	20.8	10.3
155.0	28.1	32.5	19.9	18.8	4.4	29.5	16.9	1.4
200.0	32.4	30.8	17.7	18.0	NS	27.8	14.7	NS

(All tests include swept frequency measurements)

Characteristic Impedance	100 ohms $\pm$ 15%
Capacitance	14 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	FEP = 74% PE = 71%
Maximum Skew	5E55 = 15ns @ 100 meters      5EN5 = 11ns @ 100 meters

Drawings not to Scale  
Specifications subject to change  
Revision: 09/15/05