

Media 6™

ANSI/TIA/EIA-568 Category 6

ISO/IEC 11801

Part Number: Plenum6504+/Non-Plenum65N4+
Plenum: ETL Type CMP, CSA C(ETL) CMP
Non-Plenum: ETL Type CMR C(ETL) CMG



1100 CommScope Place SE
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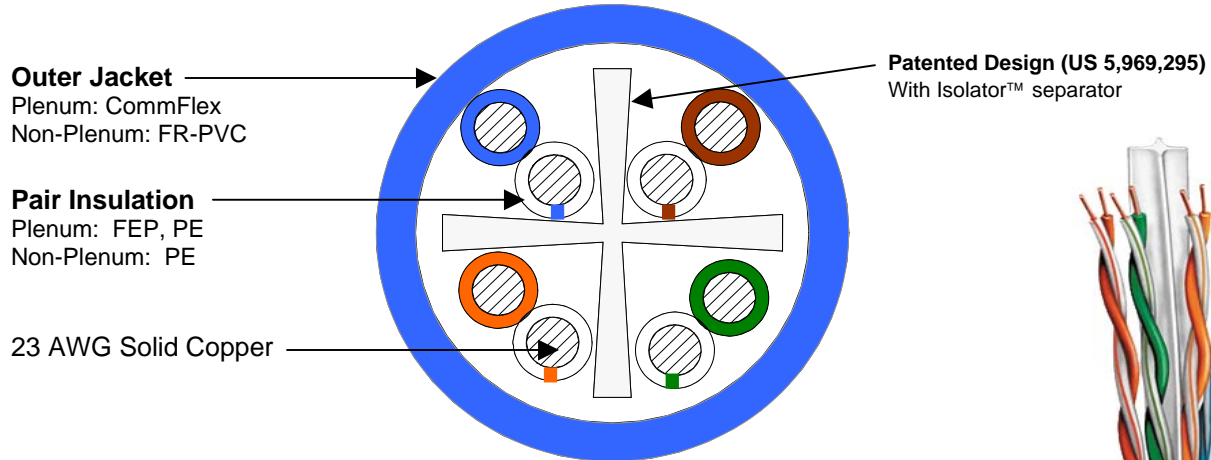
(800) 982-1708
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4 Twisted Pair Cable



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	0.220"	0.240"
Nominal Jacket Thickness	0.019"	0.022"
Jacket Minimum Spot Thickness	0.014"	0.018"
Installation Temperature 0°C to 60°C		
Operation Temperature -40°C to 60°C		

Available Packaging: RIB or Reel
Available Colors: White, Blue, Gray



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Electrical Performance

Frequency MHz	Attenuation (dB/100m)	Near End Cross Talk (dB)	ACR (dB/100m) Min	Power Sum (dB)			ELFEXT (dB/100m) Min	Return Loss (dB)	
				NEXT Min	ELFEXT Min	ACR Min		CommScope Min	EIA/TIA 568 Category 6
1.0	2.0	74.3	72.3	72.3	64.8	70.3	67.8	23.0	20.0
4.0	3.8	65.3	61.5	63.3	52.8	59.5	55.8	23.0	23.0
8.0	5.3	60.8	55.4	58.8	46.7	53.4	49.7	24.5	24.5
10.0	6.0	59.3	53.3	57.3	44.8	51.3	47.8	25.0	25.0
16.0	7.6	56.2	48.7	54.2	40.7	46.7	43.7	25.0	25.0
20.0	8.5	54.8	46.3	52.8	38.8	44.3	41.8	25.0	25.0
25.0	9.5	53.3	43.8	51.3	36.8	41.8	39.8	24.3	24.3
31.25	10.7	51.9	41.2	49.9	34.9	39.2	37.9	23.6	23.6
62.5	15.4	47.4	32.0	45.4	28.9	30.0	31.9	23.0	21.5
100.0	19.8	44.3	24.5	42.3	24.8	22.5	27.8	23.0	20.1
155.0	25.2	41.4	16.2	39.4	21.0	14.2	24.0	21.0	18.8
200.0	29.0	39.8	10.7	37.8	18.8	8.7	21.8	21.0	18.0
250.0	32.8	38.3	5.4	36.3	16.8	3.4	19.8	20.0	17.3

(All tests include swept frequency measurements)

Input Impedance	100 ohms ± 15 ohms 1-100 MHz	100 – 200 MHz ± 20 ohms 200 – 250 MHz ± 25 ohms
Capacitance	4.6 nF/100m nominal	
DC Resistance/Unbalance	6.66 ohms/100m Max/ 2.5% Max	
Dielectric Breakdown	2500 Volts DC Conductor to Conductor	
Propagation Delay	4.59nSec/m Max @ 10MHz	
Propagation Delay Skew	≤ 45ns/100m	
Nominal Velocity of Propagation, NVP	69% = 6504	68% = 65N4

