

ANSI/TIA/EIA-568 Category 6 (550 MHz) ISO/IEC 11801

Part Number: Plenum VPC64/Non-Plenum VC64

Plenum: ETL Type CMP, CSA C(ETL)CMP

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

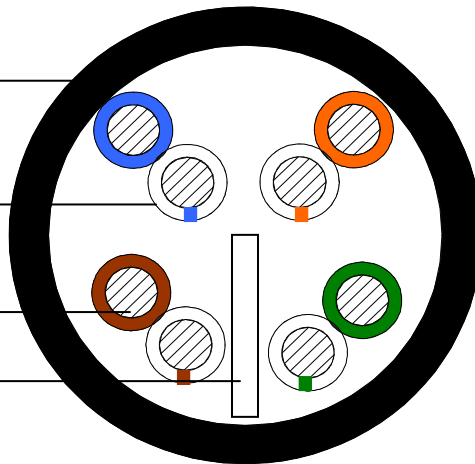
4 Twisted Pair Cable

Outer Jacket
 Plenum: Flex PVC
 Non-Plenum: FR-PVC

Pair Insulation
 Plenum: FEP, PE
 Non-Plenum: PE

23 AWG Solid Copper

Separator Tape



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	0.213"	0.218"
Nominal Jacket Thickness	0.021"	0.020"
Jacket Minimum Spot Thickness	0.019"	0.018"
Installation Temperature 0°C to 60°C		
Operation Temperature -20°C to 60°C		

Available Packaging: CommPak

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



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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	RL (dB) Min
				NEXT Min	ELFEXT Min	ACR Min		
1.0	2.0	74.3	72.3	72.3	64.8	70.3	67.8	20.0
4.0	3.8	65.3	61.5	63.3	52.8	59.5	55.8	23.0
8.0	5.3	60.8	55.4	58.8	46.7	53.4	49.7	24.5
10.0	6.0	59.3	53.3	57.3	44.8	51.3	47.8	25.0
16.0	7.6	56.2	48.7	54.2	40.7	46.7	43.7	25.0
20.0	8.5	54.8	46.3	52.8	38.8	44.3	41.8	25.0
25.0	9.5	53.3	43.8	51.3	36.8	41.8	39.8	24.3
31.25	10.7	51.9	41.2	49.9	34.9	39.2	37.9	23.6
62.5	15.4	47.4	32.0	45.4	28.9	30.0	31.9	21.5
100.0	19.8	44.3	24.5	42.3	24.8	22.5	27.8	20.1
155.0	25.2	41.4	16.2	39.4	21.0	14.2	24.0	18.8
200.0	29.0	39.8	10.7	37.8	18.8	8.7	21.8	18.0
250.0	32.8	38.3	5.4	36.3	16.8	3.4	19.8	17.3
350.0	39.7	37.1	-3.6	34.1	13.9	-5.6	16.9	NS
400	42.9	36.3	-7.6	33.3	12.7	-9.6	15.8	NS
550	51.4	36.2	---	34.2	10.9	---	14.0	NS

(All tests include swept frequency measurements)
 (Values above 250 MHz are for information purposes only)

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	Plenum = 73% Non-Plenum = 70%



Made in the USA
 Drawings not to Scale
 Specifications subject to change
 Revised: 08/14/14