

Category 5e 350 MHz

ISO/IEC 11801

4 Twisted Pair Cable

Part # VC5E

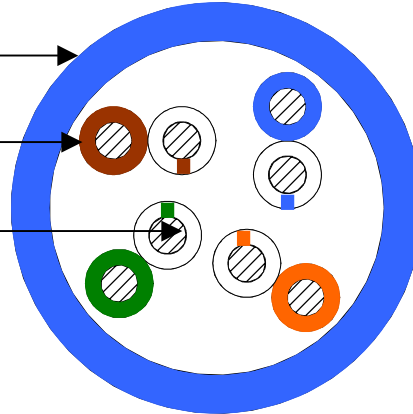
Non-Plenum: ETL Type CMR, C(ETL) CMG

4 Twisted Pair Cable

Outer Jacket
 CMR PVC Compound

Pair Insulation
 Non-Plenum: PE

24 AWG Solid Copper



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

Non-Plenum

Nominal Jacket OD	0.212"
Nominal Jacket Thickness	0.022"
Jacket Minimum Spot Thickness	0.020"
Installation Temperature	0°C to 60°C
Operation Temperature	-20°C to 60°C

Product Code	Color	Catalog #
88-541-94	Blue	Vextra VC5E 350 Cat 5E Blue CMR
88-542-94	White	Vextra VC5E 350 Cat 5E White CMR
88-543-94	Gray	Vextra VC5E 350 Cat 5E Gray CMR
88-544-94	Yellow	Vextra VC5E 350 Cat 5E Yellow CMR

Available Packaging: RIB

Available Colors: Gray, White, Blue, Yellow

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Vextra
Technologies

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 1-866-366-5151

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	4.0	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	44.0
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	29.5	19.9	18.8	1.4	29.5	16.9	1.4
200.0	32.4	27.8	17.7	18.0	NS	27.8	14.7	NS
300.0	41.0	25.2	14.2	16.8	NS	25.2	11.2	NS
350.0	44.9	24.2	12.9	16.3	NS	24.2	9.9	NS

(All tests include swept frequency measurements)

Characteristic Impedance	100 Ohms \pm 15%
Capacitance	17 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	PE = 66%
Maximum Skew	35ns @ 100 meters