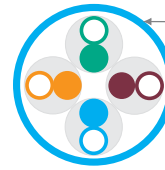


# Cat 5e 100 MHz UTP Plenum Cable

Part Number: BC-C5E2PL-XX

XX=Available in white, blue, or grey.



Overall Jacket



## Construction Materials

Conductor Material	Solid Copper
Conductor Gauge	24AWG
Stranding	Solid
Insulation Material	FR-Polyolefin
Outer Jacket Plenum	commFlex
Shield Material	Unshielded
ETL Type	CMP, C(ETL)us

## General Specification

Cable Type	Un-Twisted Pair (UTP)
Pairs, Quantity	4
Jacket Color	White, Blue, and Gray
Rip Cord	No
Conductor Gauge, Singles	24 AWG
Conductor Type, Singles	Solid
Conductors, Quantity	8
Nominal Jacket OD	5.588 mm   0.220 in
Nominal Jacket Thickness	0.635 mm   0.025 in
Jacket Minimum Spot Thickness	0.508 mm   0.020 in
Cable Length	305 m   1000 ft

## Environmental Specifications

Installation Temperature Rating	0 °C to + 60 °C (32 °F to + 140 °F)
Operating Temperature	-20 °C to + 60 °C (-4 °F to + 140 °F)

## Electrical Characteristics

Characteristic Impedance	100 ohms + 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	64%
Maximum Skew	20ns @ 100 meters

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## Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Pair to Pair				Power Sum (dB)		
		NEXT (dB) Min.	ELFEXT (dB/100m) Min.	Return Loss (dB) Min.	ACR (dB) Min.	NEXT Min	ELFEXT Min	ACR 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