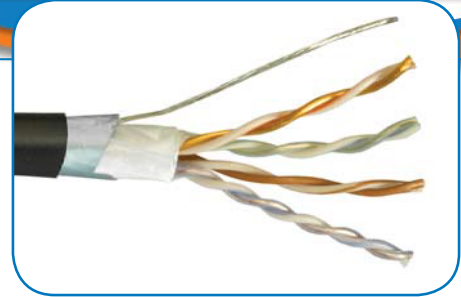


P-C5EF

Cat 5e, Shielded, Plenum

Description Category 5e Cable - Shielded
Solid Conductors - Plenum



Construction

Conductor

Material: 24 AWG Bare Solid Copper

Insulation

Material: FEP

Diameter: 0.039 in. Nominal

Pairing

2 Insulated Conductors twisted together
with varied lay lengths.

Color Code

Pair#1: Blue and White/Blue
Pair#2: Orange and White/Orange
Pair#3: Green and White/Green
Pair#4: Brown and White/Brown

Shield

Foam Tape Overlap 25% Min
Foil/Mylar, Overlap 25% Min
Drain: 26 AWG Tinned Stranded Copper

Rip Cord

Nylon

Jacket

Material: PVC Alloy

Colors: C5E-BLK (Black), C5E-BLU (Blue)

Overall Diameter:

.248 in. +/- (6.3mm)

Approximate Weight

34 lbs.

Electrical Characteristics

Max. Conductor DC Resistance:	28.6 ohms/1000ft
DC Resistance Unbalance:	< = 5%
Mutual Capacitance:	14 pF/ft
Pair-to-Ground Capacitance Unbalance:	330 pF/100m
Impedance:	100±15 ohm
Max. Delay Skew:	15 ns/100m
Velocity of Propagation:	72%

UL Listing

Type CMP as Specified in Article 800 of the
National Electric Code.

Frequency	Return Loss	Attenuation	NEXT	DELAY	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
1	19	3	60	521	57	58.6	55.6
4	19	3.9	54.8	504	51.8	46.6	43.6
8	19	5.5	50	500	47	40.6	37.5
10	19	6.2	48.5	498	45.5	38.6	35.6
16	19	7.9	45.2	496	42.2	34.5	31.5
20	19	8.9	43.7	495	40.7	32.6	29.6
25	18	10	42.1	495	39.1	30.7	27.7
31.25	17.1	11.2	40.5	494	37.5	28.7	25.7
62.5	14.1	16.2	35.7	492	32.7	22.7	19.7
100	12	21	32.3	491	29.3	18.6	15.6