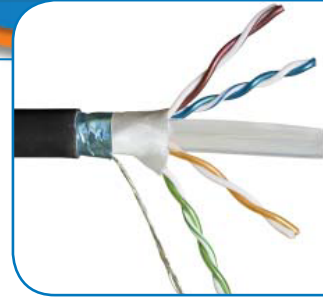


P-C6F

Cat 6, Shielded, Plenum

Description Category 6 Cable - Shielded
Solid Conductors - Plenum



Construction

Conductor

Material: 23 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: C6-BLK (Black), C6-BLU (Blue), C6-WHT (White)

Overall Diameter:

0.287 in. +/- (7.3mm)

Approximate Weight

47 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:	18 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	19.1	3	65		62	64.2	61.2
4	21	3.5	64.1		61.8	52.1	49.1
8	21	5	59.4		57	46.1	43.1
10	21	5.5	57.8		55.5	44.2	41.2
16	20	7.0	54.6	498	52.2	40.1	37.1
20	19.5	7.9	53.1		50.7	38.2	35.2
25	19	8.9	51.5		49.1	36.2	33.2
31.25	18.5	10	50		47.5	34.3	31.3
62.5	16	14.4	45.1		42.7	28.3	25.3
100	14	18.6	41.8		39.3	24.2	21.2
200	11	27.4	36.9		34.3	18.2	15.2
250	10	31.1	35.3		32.7	16.2	13.2