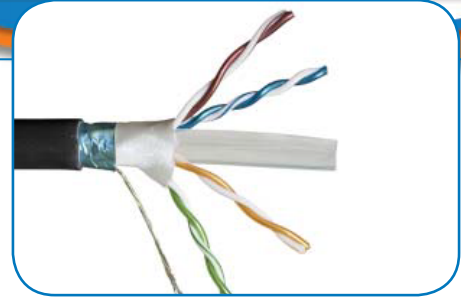


P-C6AF

Cat 6a, Shielded, Plenum

Description Category 6a Cable - Shielded
Solid Conductors - Plenum



Construction

Conductor

Material: 23 AWG Bare Solid Copper

Insulation

Material: FEP
Diameter: 1.0mm 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
Drain: 26 AWG Tinned Stranded Copper
AL-Foil/Mylar, Overlap 25% Min

Jacket

Material: PVC Alloy
Colors: C6AF-BLK (Black, Blue & White)

Overall Diameter:

.287 in. +/- (.73mm)

Electrical Characteristics

Impedance:
Delay Skew (ns/100m)

100±15 ohm
≤45

UL Listing

Type CMR as Specified in Article 800 of the
National Electric Code

Rip Cord

Nylon

Frequency	Return Loss	Attenuation	NEXT	DELAY	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
1	20	—	74.3	570	72.3	67.8	64.8
4	23	3.8	65.3	552	63.3	55.8	52.8
8	24.5	5.3	60.8	546.7	58.8	49.7	46.7
10	25	5.9	59.3	545.4	57.3	47.8	44.8
16	25	7.5	56.2	543	54.2	43.7	40.7
20	25	8.4	54.8	542.1	52.8	41.8	38.8
25	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8