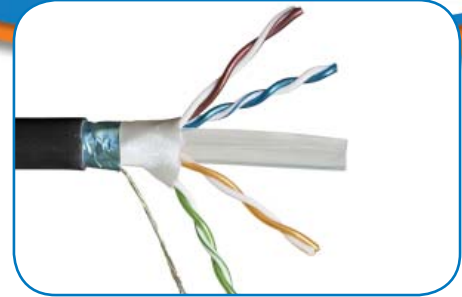


P-C6AF

Plenum Cat 6A, Shielded

Description

Category 6A Cable - 10Gb - 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: 24 AWG Tinned Stranded Copper
 AL-Foil/Mylar, Overlap 25% Min

Rip Cord

Nylon

Jacket

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

Overall Diameter:

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

Electrical Characteristics

Impedance: 100±15 ohm
 Delay Skew (ns/100m) ≤45

UL Listing

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

| Frequency | MHz | 1 | 4 | 8 | 10 | 16 | 20 | 25 | 31.25 | 62.5 | 100 | 200 | 250 | 300 | 400 | 500 |
|---------------|---------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|
| Inertion Loss | db/100m | 2.2 | 4.1 | 5.7 | 6.4 | 8.1 | 9.1 | 10.2 | 11.4 | 16.3 | 20.8 | 30 | 33.8 | 37.3 | 43.6 | 49.3 |
| NEXT | db/100m | 65 | 63 | 58.2 | 56.6 | 53.2 | 51.6 | 50 | 48.4 | 43.4 | 39.9 | 34.8 | 33.1 | 31.7 | 28.7 | 26.1 |
| PS-NEXT | db/100m | 62 | 60.5 | 55.6 | 54 | 50.6 | 49 | 47.3 | 45.7 | 40.6 | 37.1 | 31.9 | 30.2 | 28.8 | 25.8 | 23.2 |
| ACR-F | db/101m | 63.3 | 51.2 | 45.2 | 43.3 | 39.2 | 37.2 | 35.3 | 33.4 | 27.3 | 23.3 | 17.2 | 15.3 | 13.7 | 11.2 | 9.3 |
| PSACR-F | db/102m | 60.3 | 48.2 | 42.2 | 40.3 | 36.2 | 34.2 | 32.3 | 30.4 | 24.3 | 20.3 | 14.2 | 12.3 | 10.7 | 8.2 | 6.3 |
| PSANEXT | db/103m | 67 | 67 | 67 | 67 | 67 | 67 | 66 | 65.1 | 62 | 60 | 55.5 | 54 | 52.8 | 51 | 49.5 |
| RL | db/104m | 19 | 19 | 19 | 19 | 18 | 17.5 | 17 | 16.5 | 14 | 12 | 9 | 8 | 7.2 | 6 | 6 |
| PSAACRF | db/105m | 67 | 65 | 58.9 | 57 | 52.9 | 51 | 49 | 47.1 | 41.1 | 37 | 31 | 29 | 27.5 | 25 | 23 |