



Technical Specifications

Product Line: 22-1P-CMP-EZ

Description

1 pair 22 AWG stranded, twisted, and shielded cable
NEC type CMP and CEC type CMP FT6. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

Conductor

22 AWG
7-strand tinned annealed copper conductors
Diameter: 0.030" | 0.76mm

Electrical

DC resistance: 16.6 Ω / 1000' | 54.45 Ω /KM
Mutual capacitance: 21.0 pF/FT | 68.88 pF/M
Impedance: 75 Ω
Velocity of Propagation: 79%
Voltage rating: 300V
Maximum current: 2.8A@25°C

Insulation

Foam fluorinated ethylene propylene
Wall thickness: 0.010" | 0.25mm
Diameter: 0.050" | 1.27mm

Regulatory

NEC: CMP 75°C
CEC: CMP FT6 60°C
EU RoHS 2002/95/EC Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
Weight: 14 Lbs/1000' | 21 Kg/KM

Assembly

2 conductors twisted
Pair lay length: 2.0" | 51.0mm
6.0 twists per foot | 19.6 twists per meter

Installation

Pull Tension: 14 Lbs | 62 N
Bend radius: 1.31" | 34mm unloaded
Bend radius: 2.62" | 68mm loaded
Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32°F | 0°C ambient temperature

Construct

N/A

Applications

Plenum broadcast quality line level balanced audio
Plenum low voltage control and RS-232C signaling

Shield

100% aluminum/polyester tape foil in
24 AWG 7-strand tinned copper drain

Performance

Assuming 600 Ω source impedance:
Line level balanced audio 450 feet

Jacket

Pressure extruded plenum rated polyvinyl chloride
Colors: Black, Blue, Brown, Green, Cool Gray, Orange, Red, Violet, Tan, White, Yellow
Wall thickness: 0.015" | 0.38mm
Diameter: 0.131" | 3.33mm

Final Outside Diameter (inches)

0.131

Specification Revision Date:

April 11, 2009

