



Technical Specifications

Product Line: 24-1P-CMP-EZ

Description

1 pair 24 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

24 AWG

7-strand tinned annealed bare copper conductors

Diameter: 0.024" | 0.61mm

Insulation

Foam fluorinated ethylene propylene

Wall thickness: 0.015" | 0.38mm

Diameter: 0.054" | 1.37mm

Color Code

Black, Red

Assembly

Pair lay length: 2.0" | 51.0mm

6.0 twists per foot | 19.6 twists per meter

Construct

N/A

Shield

100% aluminum/polyester tape foil in

24 AWG 7-strand tinned copper drain

Jacket

Pressure extruded plenum rated polyvinyl chloride

Colors: Natural White

Wall thickness: 0.014" | 0.36mm

Diameter: 0.140" | 3.56mm

Specification Revision Date:

Electrical

DC resistance: 27.7 Ω / 1000' | 90.86 Ω /KM

Mutual capacitance: 13.2 pF/FT | 43.30 pF/M

Impedance: 99 Ω

Inductance: 0.17 μ H/FT | 0.56 μ H/M

Velocity of Propagation: 79%

Voltage rating: 300V

Maximum current: 2.0A@25°C

Regulatory

NEC: CMP 75°C

CEC: CMP FT6 60°C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 12 Lbs/1000' | 18 Kg/KM

Installation

Pull Tension: 11 Lbs | 49 N

Bend radius: 1.40" | 36mm unloaded

Bend radius: 2.80" | 72mm 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

Applications

Plenum broadcast quality line level balanced audio

Plenum low voltage control and RS-232C signaling

Performance

Assuming 600 Ω source impedance:

Line level balanced audio 450 feet

Final Outside Diameter (inches)

0.140

September 21, 2010

