



## 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

### Insulation

Foam fluorinated ethylene propylene

Wall thickness: 0.010" | 0.25mm

Diameter: 0.050" | 1.27mm

### Color Code

Black, Red

### Assembly

2 conductors twisted

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: Black, Blue, Brown, Green, Cool Gray, Orange, Red, Violet, Tan, White, Yellow

Wall thickness: 0.015" | 0.38mm

Diameter: 0.131" | 3.33mm

Specification Revision Date:

### Electrical

DC resistance: 16.6  $\Omega$  / 1000' | 54.45  $\Omega$ /KM

Mutual capacitance: 21.0 pF/FT | 68.88 pF/M

Impedance: 75  $\Omega$

Velocity of Propagation: 79%

Voltage rating: 300V

Maximum current: 2.8A@25°C

### Regulatory

NEC: CMP 75°C

CEC: CMP FT6 60°C

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 14 Lbs/1000' | 21 Kg/KM

### 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

### Applications

Plenum broadcast quality line level balanced audio

Plenum low voltage control and RS-232C signaling

### Performance

Assuming 600  $\Omega$  source impedance:

Line level balanced audio 450 feet

### Final Outside Diameter (inches)

0.131

April 11, 2009

