



**Technical Specifications**

**Product Line: 16-2C-P**

**Description**

2 conductor 16 AWG stranded, twisted, and unshielded 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**

16 AWG

19-strand annealed bare copper conductors

Diameter: 0.056" | 1.42mm

**Insulation**

Plenum rated polyvinyl chloride

Wall thickness: 0.010" | 0.26mm

Diameter: 0.076" | 1.93mm

**Color Code**

Black, Red

**Assembly**

2 conductors twisted

Lay length: 3.0" | 80mm

4.0 twists per foot | 12.5 twists per meter

**Construct**

Ripcord under jacket

**Shield**

N/A

**Jacket**

Plenum rated polyvinyl chloride

Colors: Natural White, Black

Wall thickness: 0.015" | 0.38mm

Diameter: 0.182" | 4.62mm

Specification Revision Date:

**Electrical**

DC resistance: 4.38  $\Omega$  / 1000' | 14.36  $\Omega$ /KM

Mutual capacitance: 36.4 pF/FT | 119.29 pF/M

Impedance: 57  $\Omega$

Inductance: 0.15 $\mu$ H/FT | 0.49 $\mu$ H/M

Velocity of Propagation: 55%

Voltage rating: 300V

Maximum current: 6.25A@25°C

**Regulatory**

NEC: CMP 75°C

CEC: CMP FT6 CMG 60°C

EU RoHS 2002/95/EC Compliant

**Packages**

Reel: 1000' | 305M

Weight: 28 Lbs/1000' | 42 Kg/KM

**Installation**

Pull Tension: 42 Lbs | 187 N

Bend radius: 1.82" | 47mm unloaded

Bend radius: 3.64" | 94mm 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 commercial speaker audio

Plenum 70V speaker

Plenum Class 2 and 3 power

**Performance**

Speaker level audio to 50 feet

**Final Outside Diameter (inches)**

0.182

December 2, 2008

