



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 Ω / 1000' | 14.36 Ω /KM

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

Impedance: 57 Ω

Inductance: 0.15 μ H/FT | 0.49 μ 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

