

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

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

Insulation

Plenum rated polyvinyl chloride
 Wall thickness: 0.010" | 0.26mm
 Diameter: 0.076" | 1.93mm

Regulatory

NEC: CMP 75°C
 CEC: CMP FT6 CMG 60°C
 EU RoHS III 2015/863/EU Compliant
 REACH (EC) No 1907/2006 Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
 Weight: 28 Lbs/1000' | 42 Kg/KM

Assembly

2 conductors twisted
 Lay length: 3.0" | 80mm
 4.0 twists per foot | 12.5 twists per meter

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

Construct

Ripcord under jacket

Applications

Plenum commercial speaker audio
 Plenum 70V speaker
 Plenum class 2 power

Shield

N/A

Performance

Speaker level audio to 50 feet

Jacket

Plenum rated polyvinyl chloride
 Colors: Natural White, Black
 Wall thickness: 0.015" | 0.38mm
 Diameter: 0.182" | 4.62mm

Final Outside Diameter (inches)

0.182

Specification Revision Date:

December 2, 2008