



Technical Specifications

Product Line: 12-2C-P

Description

2 conductor 12 AWG stranded, twisted, and unshielded cable

NEC type CL3P and CEC type CMP FT6 for Audio Only

Product manufactured compliant to the requirements of UL13 for installations and applications in accordance with NEC article 725.

Conductor

12 AWG

19-strand annealed bare copper conductors

Diameter: 0.090" | 2.29mm

Insulation

Plenum rated polyvinyl chloride

Wall thickness: 0.011" | 0.28mm

Diameter: 0.112" | 2.85mm

Color Code

Black, Red

Assembly

2 conductors twisted

Lay length: 4.0" | 100mm

3.0 twists per foot | 10.0 twists per meter

Construct

Ripcord under jacket

Shield

N/A

Jacket

Plenum rated polyvinyl chloride

Colors: Natural white, black, gray

Wall thickness: 0.015" | 0.38mm

Diameter: 0.252" | 6.40mm

Specification Revision Date:

Electrical

DC resistance: 1.68 Ω / 1000' | 5.51 Ω /KM

Mutual capacitance: 41.6 pF/FT | 136.45 pF/M

Impedance: 50 Ω

Inductance: 0.14 μ H/FT | 0.46 μ H/M

Velocity of Propagation: 55%

Voltage rating: 300V

Maximum current: 12A@25°C

Regulatory

NEC: CL3P 75°C

CEC: CMP FT6 For Audio Only 60°C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 62 Lbs/1000' | 93 Kg/KM

Installation

Pull Tension: 106 Lbs | 472 N

Bend radius: 2.52" | 64mm unloaded

Bend radius: 5.04" | 128mm 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 120 feet

Final Outside Diameter (inches)

0.252

April 30, 2008

