



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(s) 725 and 800.

Conductor

12 AWG
19-strand annealed bare copper conductors
Diameter: 0.090" | 2.29mm

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

Insulation

Plenum rated polyvinyl chloride
Wall thickness: 0.011" | 0.28mm
Diameter: 0.112" | 2.85mm

Regulatory

NEC: CL3P 75°C
CEC: CMP FT6 For Audio Only 60°C
EU RoHS III 2015/863/EU Compliant
REACH (EC) No 1907/2006 Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
Weight: 62 Lbs/1000' | 93 Kg/KM

Assembly

2 conductors twisted
Lay length: 4.0" | 100mm
3.0 twists per foot | 10.0 twists per meter

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

Construct

Ripcord under jacket

Applications

Plenum commercial speaker audio
Plenum 70V speaker
Plenum class 2 and 3 power

Shield

N/A

Performance

Speaker level audio to 120 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Natural white, black, gray
Wall thickness: 0.015" | 0.38mm
Diameter: 0.252" | 6.40mm

Final Outside Diameter (inches)

0.252

Specification Revision Date:

April 30, 2008