

Technical Specifications

Product Line: **12-2C-TTP**

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
 65-strand annealed bare copper conductors
 Diameter: 0.096" | 2.44mm

Electrical

DC resistance: 1.70 Ω / 1000' | 5.58 Ω /KM
 Mutual capacitance: 37.96 pF/FT | 124.51 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: 0.010" | 0.254mm
 Diameter: 0.116" | 2.98mm

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: 63 Lbs/1000' | 94 Kg/KM

Assembly

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

Installation

Pull Tension: 106 Lbs | 472 N
 Bend radius: 2.60" | 67mm unloaded
 Bend radius: 5.20" | 134mm 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 120 feet

Jacket

Plenum rated polyvinyl chloride
 Colors: Natural white, blue
 Wall thickness: 0.017" | 0.43mm
 Diameter: 0.260" | 6.60mm

Final Outside Diameter (inches)

0.260

Specification Revision Date:

March 27, 2018