



Technical Specifications

Product Line: 10-2C-TTP

Description

2 conductor 10 AWG stranded, twisted, and unshielded cable NEC type CL2P 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

10 AWG
105-strand annealed bare copper conductors
Diameter: 0.117" | 2.97mm

Electrical

DC resistance: 1.04 Ω / 1000' | 3.41 Ω /KM
Mutual capacitance: 41.0 pF/FT | 134.48 pF/M
Impedance: 45 Ω
Inductance: 0.14 μ H/FT | 0.46 μ H/M
Velocity of Propagation: 55%
Voltage rating: 150V
Maximum current: 27.8A@25°C

Insulation

Plenum rated polyvinyl chloride
Wall thickness: 0.010" | 0.25mm
Diameter: 0.137" | 3.48mm

Regulatory

NEC: CL2P 60°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: 500' | 152M
Weight: 80 Lbs/1000' | 119 Kg/KM

Assembly

2 conductors twisted
Lay length: 5" | 127mm
2.4 twists per foot | 7.87 twists per meter

Installation

Pull Tension: 169 Lbs | 751 N
Bend radius: 3.10" | 79mm unloaded
Bend radius: 6.20" | 158mm 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 200 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Natural white
Wall thickness: 0.017" | 0.43mm
Diameter: 0.310" | 7.87mm

Final Outside Diameter (inches)

0.310

Specification Revision Date:

March 9, 2018