## 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 725.

### 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: 0.14μH/FT | 0.46μH/M  
Velocity of Propagation: 55%  
Voltage rating: 150V  
Maximum current: 27.8A@25˚C

### Insulation

OSP rated polyvinyl chloride  
Wall thickness: 0.012” | 0.30mm  
Diameter: 0.141” | 3.58mm

### Regulatory

NEC: CL2P 60 °C  
CEC: CMP FT6 For Audio Only 60 °C  
EU RoHS-2 2011/65/EU 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: 3.16” | 81mm unloaded  
Bend radius: 6.32” | 162mm 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: 0.316” | 8.03mm

### Final Outside Diameter (inches)

0.316

### Specification Revision Date:

August 5, 2014