



## Technical Specifications

Product Line: 12-3C-P

### Description

3 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: 1.75  $\Omega$  / 1000' | 5.74  $\Omega$ /KM  
Mutual capacitance: 44.78 pF/FT | 146.8 pF/M  
Impedance: 46.5  $\Omega$   
Inductance: 0.14 $\mu$ H/FT | 0.46 $\mu$ H/M  
Velocity of Propagation: 55%  
Voltage rating: 300V  
Maximum current: 12A@25°C

### Insulation

Plenum rated polyvinyl chloride  
Wall thickness: 0.009" | 0.23mm  
Diameter: 0.108" | 2.75mm

### 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, White

### Packages

Reel: 1000' | 305M  
Weight: 124 Lbs/1000' | 185 Kg/KM

### Assembly

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

### Installation

Pull Tension: 147Lbs | 654 N  
Bend radius: 2.63" | 67mm unloaded  
Bend radius: 5.26" | 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  
Wall thickness: 0.015" | 0.38mm  
Diameter: 0.263" | 6.69mm

### Final Outside Diameter (inches)

0.263

Specification Revision Date:

September 30, 2011