



## Technical Specifications

Product Line: 12-2C

### Description

2 conductor 12 AWG stranded, twisted, and unshielded cable NEC type CL3R and CEC type CMG FT4 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: 0.0925" | 2.35mm

### Electrical

DC resistance: 1.71  $\Omega$  / 1000' | 5.61  $\Omega$ /KM  
Mutual capacitance: 34.6 pF/FT | 113.49 pF/M  
Impedance: 53  $\Omega$   
Inductance: 0.15 $\mu$ H/FT | 0.49 $\mu$ H/M  
Velocity of Propagation: 55%  
Voltage rating: 300V  
Maximum current: 12A@25°C

### Insulation

Semi-rigid polyvinyl chloride  
Wall thickness: 0.014" | 0.356mm  
Diameter: 0.121" | 3.06mm

### Regulatory

NEC: CL3R 75°C  
CEC: CMG FT4 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: 4.0" | 100mm  
3.0 twists per foot | 10.0 twists per meter

### Installation

Pull Tension: 98 Lbs | 436 N  
Bend radius: 2.80" | 72mm unloaded  
Bend radius: 5.60" | 144mm loaded

### Construct

Ripcord under jacket

### Applications

Riser commercial and residential speaker level audio  
Riser 70V commercial speaker audio  
Riser Class 2 and 3 power

### Shield

N/A

### Performance

Speaker level audio to 120 feet

### Jacket

Flame rated polyvinyl chloride  
Colors: Gray  
Wall thickness: 0.020" | 0.51mm  
Diameter: 0.280" | 7.11mm

### Final Outside Diameter (inches)

0.280

Specification Revision Date:

October 30, 2006