

Technical Specifications
Product Line: 16-2C-SH
Description

2 conductor 16 AWG stranded, twisted, and shielded cable NEC type CMR and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC article(s) 725, 800, and 760.

Conductor

16 AWG
 19-strand annealed bare copper conductors
 Diameter: 0.056" | 1.42mm

Electrical

DC resistance: 4.38 Ω / 1000' | 14.36 Ω /KM
 Mutual capacitance: 64.0 pF/FT | 209.92 pF/M
 Impedance: 31 Ω
 Inductance: 0.15 μ H/FT | 0.49 μ H/M
 Velocity of Propagation: 55%
 Voltage rating: 300V
 Maximum current: 6.25A@25°C

Insulation

Semi-rigid polyvinyl chloride
 Wall thickness: 0.010" | 0.25mm
 Diameter: 0.076" | 1.93mm

Regulatory

NEC: CMR 75°C
 CEC: CMG FT4 60°C
 EU RoHS III 2015/863/EU Compliant
 REACH (EC) No 1907/2006 Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
 Weight: 32 Lbs/1000' | 48 Kg/KM

Assembly

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

Installation

Pull Tension: 42 Lbs | 187 N
 Bend radius: 1.92" | 49mm unloaded
 Bend radius: 3.84" | 98mm loaded

Construct

Ripcord under jacket

Applications

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

Shield

100% aluminum/polyester tape foil out
 22 AWG 7-strand tinned copper drain

Performance

Speaker level audio to 50 feet

Jacket

Flame rated polyvinyl chloride
 Colors: Gray
 Wall thickness: 0.020" | 0.51mm
 Diameter: 0.192" | 4.88mm

Final Outside Diameter (inches)

0.192

Specification Revision Date:

July 2, 2009