



Technical Specifications

Product Line: 18-2C-SH

Description

2 conductor 18 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 articles 725 and 800.

Conductor

18 AWG

7-strand annealed bare copper conductors

Diameter: 0.0454" | 1.15mm

Insulation

Semi-rigid polyvinyl chloride

Wall thickness: 0.009" | 0.20mm

Diameter: 0.063" | 1.61mm

Color Code

Black, Red

Assembly

2 conductors twisted

Lay length: 3.0" | 80mm

4.0 twists per foot | 12.5 twists per meter

Construct

Ripcord under jacket

Shield

100% aluminum/polyester tape foil out

24 AWG 7-strand tinned copper drain

Jacket

Polyvinyl chloride

Colors: White, Beige, Light blue, Gray

Wall thickness: 0.020" | 0.51mm

Diameter: 0.166" | 4.22mm

Specification Revision Date:

Electrical

DC resistance: 6.92 Ω / 1000' | 22.7 Ω /KM

Mutual capacitance: 46.8 pF/FT | 153.51 pF/M

Impedance: 39 Ω

Inductance: 0.15 μ H/FT | 0.49 μ H/M

Velocity of Propagation: 55%

Voltage rating: 300V

Maximum current: 3.75A@25 °C

Regulatory

NEC: CMR 75 °C

CEC: CMG FT4 60 °C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 21 Lbs/1000' | 32 Kg/KM

Installation

Pull Tension: 26 Lbs | 116 N

Bend radius: 1.66" | 43mm unloaded

Bend radius: 3.32" | 86mm loaded

Applications

Riser general purpose use, security and low voltage power

Riser commercial and residential speaker level audio

Non-plenum 70V commercial speaker audio

Non-Plenum Class 2 and 3 power

Performance

Speaker level audio to 30 feet

Final Outside Diameter (inches)

0.166

September 18, 2007

