



Technical Specifications

Product Line: 18-2C-PSH

Description

2 conductor 18 AWG stranded, twisted, and shielded cable NEC type CMP and CEC type CMP FT6. 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

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

Insulation

Plenum rated polyvinyl chloride
Wall thickness: 0.009" | 0.20mm
Diameter: 0.063" | 1.61mm

Regulatory

NEC: CMP 75°C
CEC: CMP FT6 60°C
EU RoHS III 2015/863/EU Compliant REACH (EC) No 1907/2006 Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
Weight: 23 Lbs/1000' | 35 Kg/KM

Assembly

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

Installation

Pull Tension: 30 Lbs | 133 N
Bend radius: 1.54" | 40mm unloaded
Bend radius: 3.08" | 80mm 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 security and low voltage power
Plenum commercial and residential speaker level audio
Plenum 70V commercial speaker audio
Plenum Class 2 and 3 power

Shield

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

Performance

Speaker level audio to 30 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Natural White, Blue, Yellow, Green, Orange, Red, Pink
Wall thickness: 0.014" | 0.36mm
Diameter: 0.154" | 3.92mm

Final Outside Diameter (inches)

0.154

Specification Revision Date:

July 7, 2006

