



Technical Specifications

Product Line: 18-2P-INDSH

Description

2 pair 18 AWG stranded, twisted, and individually 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

Electrical

DC resistance: 6.92 Ω / 1000' | 22.7 Ω /KM
Mutual capacitance: 57.5 pF/FT | 188.60 pF/M
Impedance: 61 Ω
Inductance: 0.15 μ H/FT | 0.49 μ H/M
Velocity of Propagation: 55%
Voltage rating: 300V
Maximum current: 3.0A@25°C

Insulation

Polyvinyl chloride
Wall thickness: 0.008" | 0.20mm
Diameter: 0.061" | 1.56mm

Regulatory

NEC: CMR 75°C
CEC: CMG FT4 60°C
EU RoHS 2002/95/EC Compliant

Color Code

Pair 1: Red, Black
Pair 2: White, Black

Packages

Reel: 1000' | 305M
Weight: 41 Lbs/1000' | 62 Kg/KM

Assembly

Two pairs cabled together
Pair lay length: 2.0" | 51.0mm
6.0 twists per foot | 19.6 twists per meter

Installation

Pull Tension: 60 Lbs | 266 N
Bend radius: 1.88" | 48mm unloaded
Bend radius: 3.76" | 96mm loaded

Construct

Ripcord under jacket

Applications

Riser general purpose security and low voltage power
Riser commercial and residential line level audio
Non-plenum 70V commercial speaker audio
Non-Plenum Class 2 and 3 power

Shield

Each pair isolated and shielded
100% aluminum/polyester tape foil in
24 AWG 7-strand tinned copper drain

Performance

Speaker level audio to 30 feet
Line level audio to 100 feet

Jacket

Polyvinyl chloride
Colors: Gray
Wall thickness: 0.020" | 0.51mm
Diameter: 0.188" | 4.79mm

Final Outside Diameter (inches)

0.188

Specification Revision Date:

October 7, 2008

