



Technical Specifications

Product Line: LUTRON-RED

Description

Composite cable 4 conductor 18 AWG stranded, twisted and shielded with a 2 conductor 16 AWG stranded, twisted, and unshielded power pair and a single 18 AWG stranded sensor wire all under on common jacket
NEC type CM 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.

Component 1:

18 AWG shielded quad
19-strand annealed bare copper conductors
Semi-rigid polyvinyl chloride insulation
Wall thickness: 0.014" | 0.35mm
Diameter: 0.075" | 1.90mm
100% aluminum/poly shield foil in
20 AWG 7-strand tinned copper drain wire

Electrical

18 AWG quad group conductor DCR: 5.46 Ω / 1000' | 17.91 Ω /KM
Capacitance: 45.34 pF/FT | 148.72 pF/M
Impedance: 44 Ω
Velocity of Propagation: 55 %
Voltage rating: 300V
18 AWG single conductor DCR: 5.46 Ω / 1000' | 17.91 Ω /KM
Maximum current: 2.63A@25 °C
16 AWG pair conductor DCR: 1.46 Ω / 1000' | 4.80 Ω /KM
Maximum current: 5.0A@25 °C

Component 2:

16 AWG power pair
7-strand annealed bare copper conductors
Semi-rigid polyvinyl chloride insulation
Wall thickness: 0.015" | 0.37mm
Diameter: 0.087" | 2.20mm

Regulatory

NEC: CL3 60 °C
CEC: CMG FT4 60 °C
EU RoHS 2002/95/EC Compliant

Component 3:

18 AWG sensor / ground wire
19-strand annealed bare copper conductors
Semi-rigid polyvinyl chloride insulation
Wall thickness: 0.014" | 0.35mm
Diameter: 0.075" | 1.90mm

Packages

Reel: 500' | 152M
Weight: 94 Lbs/1000' | 141 Kg/KM

Color Code

Power pair: Red, Black
Control group conductor: Violet, Yellow, Gray, Blue
Static ground conductor: Yellow/green stripe

Installation

Pull Tension: 126 Lbs | 561 N
Bend radius: 3.41" | 87mm unloaded
Bend radius: 6.82" | 174mm loaded

Assembly

Shielded quad, power pair and sensor wire cabled on a common axis

Applications

Lutron® shade control cable
Direct drop in for Lutron SVQ-CBL cable
General Purpose Lutron® quiet electronic drive motor control SIVOIA

Construct

Fibrillated polypropylene as required for roundness
100% Polyester tape binder
Ripcord under jacket

Performance

N/A





Jacket

Polyvinyl chloride

Colors: Light Blue/red stripe

Wall thickness: 0.030" | 0.75mm

Diameter: 0.341" | 8.65mm

Final Outside Diameter (inches)

0.341

Specification Revision Date:

February 11, 2004

