



Technical Specifications

Product Line: LUTRON-P-RED

Description

Composite cable consisting of a 18 AWG stranded, twisted and shielded quad 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 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.

Component 1:

18 AWG shielded quad
19-strand annealed bare copper conductors
Plenum rated polyvinyl chloride insulation
Wall thickness: 0.012" | 0.30mm
Diameter: 0.074" | 1.87mm
100% aluminum/poly shield foil in
24 AWG 7-strand tinned copper drain wire

Electrical

18 AWG quad group conductor DCR: 5.46 Ω / 1000' | 17.91 Ω /KM
Capacitance: 45 pF/FT | 147.60 pF/M
Impedance: 53 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
26-strand annealed bare copper conductors
Plenum rated polyvinyl chloride insulation
Wall thickness: 0.012" | 0.30mm
Diameter: 0.083" | 2.10mm

Regulatory

NEC: CL3P 75°C
CEC: CMP FT6 60°C
EU RoHS 2002/95/EC Compliant

Component 3:

18 AWG sensor / ground wire
19-strand annealed bare copper conductors
Plenum rated polyvinyl chloride insulation
Wall thickness: 0.012" | 0.30mm
Diameter: 0.074" | 1.87mm

Packages

Reel: 1000' | 305M
Weight: 87 Lbs/1000' | 130 Kg/KM

Color Code

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

Installation

Pull Tension: 127 Lbs | 565 N
Bend radius: 3.22" | 82mm unloaded
Bend radius: 6.44" | 164mm 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

Assembly

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

Applications

Lutron® shade control cable
Direct drop in for Lutron SVQ-PCBL cable
Plenum Lutron® quiet electronic drive motor control
SIVOIA





Construct

Ripcord under jacket

Performance

N/A

Jacket

Plenum rated polyvinyl chloride

Colors: Natural White/red stripe

Wall thickness: 0.020" | 0.51mm

Diameter: 0.322" | 8.18mm

Final Outside Diameter (inches)

0.322

Specification Revision Date:

May 11, 2004

