

Technical Specifications

Product Line: LUTRON-P-QSC

Description

Composite cable 1 pair 22 AWG stranded, twisted and shielded with a 2 conductor 16 AWG stranded, twisted, and unshielded power pair jacketed 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:

22 AWG data pair
 7-strand annealed bare copper conductors
 Foam fluorinated ethylene propylene insulation
 Wall thickness: 0.015" | 0.38mm
 Diameter: 0.060" | 1.52mm
 100% aluminum/poly shield foil in
 24 AWG 7-strand tinned copper drain wire

Electrical

DC resistance: 15.7 Ω / 1000' | 51.50 Ω /KM
 Mutual capacitance: 15 pF/FT | 49.2 pF/M
 Impedance: 85 Ω
 Velocity of Propagation: 78%
 Voltage rating: 300V
 16 AWG pair conductor DCR: 4.04 Ω / 1000' | 13.25 Ω /KM
 Maximum current (16 AWG): 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: CMP 75°C
 CEC: CMP FT6 60°C
 EU RoHS-2 2011/65/EU Compliant

Color Code

Data pair: Violet, White
 Power pair: Red, Black

Packages

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

Assembly

Shielded data pair and power pair cabled on a common axis

Installation

Pull Tension: 56 Lbs | 250 N
 Bend radius: 2.06" | 53mm unloaded
 Bend radius: 4.12" | 106mm 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

Lutron® universal system control cable medium length
 Direct drop in for Lutron QSH-CBLP-M cable
 Plenum RS-232C data and control
 GRAFIK EYE, GRAFIK INTEGRALE, HOMEWORKS, QS

Shield

See individual component descriptions

Performance

Assuming Sivoia Smart Panel Power:
 50 power units no shades 500' | 152m
 25 power units no shades 1000' | 304m
 1 Shade 1 keypad 200' | 60m
 2 shades no keypads 75' | 23m
 Small Power Pack - halve the distance



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Jacket	Final Outside Diameter (inches)
Plenum rated polyvinyl chloride Colors: Natural White with a light blue stripe Wall thickness: 0.015" 0.38mm Diameter: 0.206" 5.24mm	0.206
Specification Revision Date:	July 9, 2012

