



Technical Specifications

Product Line: LUTRON-P-YEL

Description

Composite cable consisting of a 22 AWG stranded, twisted and shielded data pair and a 18 AWG stranded, twisted, and unshielded power pair cabled together and overall 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

Component 2:

18 AWG power pair
19-strand annealed bare copper conductors
Plenum rated polyvinyl chloride insulation
Wall thickness: 0.009" | 0.23mm
Diameter: 0.065" | 1.64mm

Color Code

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

Assembly

Shielded data pair and power pair cabled on a common axis

Construct

Ripcord under jacket
Special print "Lutron Keypad" on jacket

Shield

See individual component descriptions

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
18 AWG pair conductor DCR: 6.74 Ω / 1000' | 22.11 Ω /KM
Maximum current: 2.63A@25° C

Regulatory

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

Packages

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

Installation

Pull Tension: 40 Lbs | 178 N
Bend radius: 1.87" | 4853mm unloaded
Bend radius: 3.74" | 96mm 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

Applications

Lutron® universal system control cable for shorter lengths
Direct drop in for Lutron GRX-PCBL-346S cable
Also a replacement for QSH-PCBL-S
GRAFIK EYE, GRAFIK INTEGRALE, HOMEWORKS, QS

Performance

3000 Series 16 Accessory controls: 575' | 175m
4000 Series 16 controls: 300' | 91m
6000 Series 32 Accessory Controls: 625' | 190m
QS 1 shade 1 keypad: 125' | 35m





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Jacket

Plenum rated polyvinyl chloride

Colors: Natural White with a yellow stripe

Wall thickness: 0.015" | 0.38mm

Diameter: 0.187" | 4.75mm

Final Outside Diameter (inches)

0.187

Specification Revision Date:

December 11, 2012

