



Technical Specifications
Product Line: LUTRON-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 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:

22 AWG data pair
16-strand annealed bare copper conductors
Diameter: 0.030" | 0.75mm
Foam polyethylene insulation
Wall thickness: 0.013" | 0.33mm
Diameter: 0.056" | 1.42mm
100% aluminum/poly foil in
24 AWG 7-strand tinned copper drain

Electrical

DC resistance: 15.7 Ω / 1000' | 51.50 Ω /KM
Mutual capacitance: 23.7 pF/FT | 77.74 pF/M
Impedance: 65 Ω
Velocity of Propagation: 78%
Voltage rating: 300V
18 AWG pair conductor DCR: 6.74 Ω / 1000' | 22.11 Ω /KM
Maximum current: (18 AWG) 2.63A@25 °C

Component 2:

18 AWG power pair
41-strand annealed bare copper conductors
Diameter: 0.046" | 1.18mm
Semi-rigid polyvinyl chloride insulation
Wall thickness: 0.015" | 0.39mm
Diameter: 0.077" | 1.95mm

Regulatory

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

Color Code

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

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: 40 Lbs | 178 N
Bend radius: 2.28" | 58mm unloaded
Bend radius: 4.56" | 116mm loaded

Construct

Ripcord under jacket
Special print "Lutron Keypad" on jacket

Applications

Lutron® universal system control cable for shorter lengths
Direct drop in for Lutron GRX-CBL-346S cable
Also substitutes for Lutron QSH-CBL-S
GRAFIK EYE, GRAFIK EYE QS, Energi Savr Node™

Shield

See individual component descriptions

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

Jacket

Polyvinyl chloride
Colors: Light blue with a yellow stripe
Wall thickness: 0.029" | 0.73mm
Diameter: 0.228" | 5.80mm

Final Outside Diameter (inches)

0.228





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Specification Revision Date:

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