

RUN WITH US

Technical Specifications Product Line: LUTRON-QSC

Description

Composite cable consisting of a 22 AWG stranded, twisted and shielded data pair and a 16 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:	Electrical
22 AWG data pair	22 AWG pair conductor DCR: 15.7 Ω / 1000' 51.50 Ω/KM
16-strand annealed bare copper conductors	Mutual capacitance: 15.0 pF/FT 49.2 pF/M
Foam polyethylene insulation	Impedance: 65 Ω
Wall thickness: 0.013" 0.33mm	Velocity of Propagation: 78%
Diameter: 0.056" 1.42mm	Voltage rating: 300V
100% aluminum/poly foil in	16 AWG pair conductor DCR: 4.04 Ω / 1000' 13.25 Ω/KM
24 AWG 7-strand tinned copper drain	Maximum current: 5.0A@25°C
Component 2:	Regulatory
16 AWG power pair	NEC: CMG 75°C
26-strand annealed bare copper conductors	CEC: CMG FT4 60°C
Semi-rigid polyvinyl chloride insulation	EU RoHS 2002/95/EC Compliant
Wall thickness: 0.015" 0.39mm	
Diameter: 0.090" 2.28mm	
Color Code	Packages
Data pair: Violet, White	Reel: 1000' 305M
Power pair: Red, Black	Weight: 41 Lbs/1000' 62 Kg/KM
Assembly	Installation
Shielded data pair and power pair cabled on a common axis	Pull Tension: 65 Lbs 289 N
	Bend radius: 2.40" 61mm unloaded
	Bend radius: 4.80" 122mm loaded
Construct	Applications
Ripcord under jacket	Lutron® universal system control cable for medium lengths
	Direct drop in for Lutron QSH-PCBL-M cable
	GRAFIK EYE, GRAFIK INTEGRALE, HOMEWORKS, QS
Shield	Performance
See individual component descriptions	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
Jacket	Final Outside Diameter (inches)
Polyvinyl chloride	0.240
Colors: Light blue with a white stripe	5.2.0
Wall thickness: 0.025" 0.63mm	
Diameter: 0.240" 6.09mm	
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Specification Revision Date:

October 12, 2011