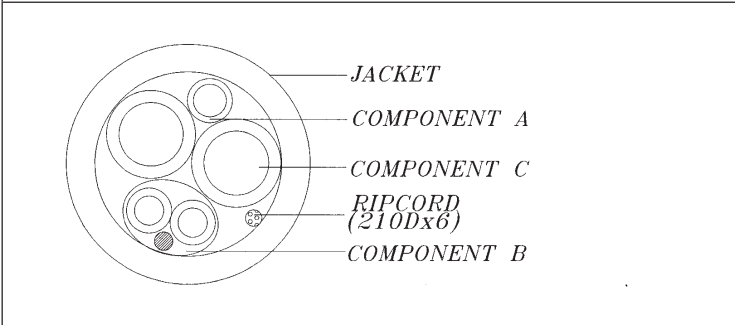


<b>PRODUCT SPECIFICATION:</b>	Lutron 46L/QSL
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**CROSS SECTION**



**MARKING**

Jacket marking (Black)  
 ICE CABLE SYSTEMS LUTRON 46L CONTROL CABLE 12GA 2C  
 18GA 1C & 22-2GA SHIELDED E301442-22(UL) TYPE CL3 75C  
 E312434-22 C(UL) CMG 75C FT4 XXX / XXX FT "XXX/XXX"  
 Sequential footmarks: eg: 500/000FT...000/500FT for spool.  
 000/500FT...500/000FT. for BMP Box.

**DESCRIPTION**

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	(UL)CL3 OR C(UL) CMG
Flame Test	FT4

**Application**  
 Power-limited circuit cables for use a fixed wiring within buildings (some are also marked for direct burial) principally for class 3 and class 2 circuits.

**Reference Standard**  
 UL 13, & the customer's specification

**CONSTRUCTION**

<b>Conductor</b>	<b>Standard Bare Copper</b>
<b>Component A:</b>	<b>1C</b>
AWG	18
Construction (±0.005mm)	16/0.254
Nom. Stranded Dia. (mm)	1.17
<b>Insulation</b>	SR-PVC
Nom. Thickness (mm)	0.35
Insulation Dia. (±0.05mm)	1.88
<b>Conductor</b>	<b>Standard Bare Copper</b>
<b>Component B:</b>	<b>2C</b>
AWG	22
Construction (±0.005mm)	7/0.254
Nom. Stranded Dia. (mm)	0.76
<b>Insulation</b>	SR-PVC
Nom. Thickness (mm)	0.25
Insulation Dia. (±0.05mm)	1.27
<b>Drain Wire</b> (Stranded Tinned Copper)	
<b>Shield</b>	Aluminum/Polyester
Coverage (%)	≥125%
<b>Conductor</b>	<b>Standard Bare Copper</b>

**REVISION HISTORY**

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<b>Component C:</b>	<b>2C</b>
AWG	12
Construction (±0.005mm)	19/0.45
Nom. Stranded Dia. (mm)	2.26
<b>Insulation</b>	SR-PVC
Nom. Thickness (mm)	0.32
Insulation Dia. (±0.05mm)	2.9
Component A, B C. cabled together	
<b>Ripcord</b>	210Dx6 nylon thread
<b>Jacket</b>	PVC
Nom. Thickness(mm)	0.65
<b>Outer Dia. (0.20mm)</b>	7.60

**COLOR & PACKAGING**

**Insulation:**  
**Component A :** 1C Orange  
**Component B :** 2C Purple White  
**Component C :** 2C Red Black  
**Jacket:** PMS:279 C(Light Blue) with a white stripe  
**Packaging:** 500FT/250FT spool

**PERFORMANCE**

Electrical Characteristics(20°C)  
 Min. Insulation Resistance(Ω/km) #22:16.7  
 #18:6.6 #12:2.08  
 Min. Insulation Resistance(Ω/km) SR-PVC:50M  
 Mutual Capacitance: 25pF/FT max (FOR#22)  
 Shield Capacitance: 48pF/FT max (FOR#22)  
 Dielectric Strength AC-500V/1 Min  
 Temperature: -6°C to 75°C

**Mechanical Characteristics:**

<b>Test Object</b>	<b>Jacket</b>
Test Material	PVC
Before Tensile Strength (kg/mm <sup>2</sup> )	≥1.05

  
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Designed by	Approved by		
BR	Brian Rizzo		