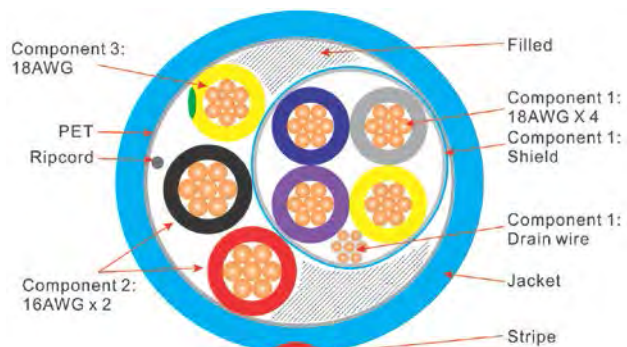


SCP Part Number: LUTRON-RED

REV.A

Cross Section



Description

LUTRON CABLE SERIES, 4C/18AWG SHIELDED W/DRAIN, 2C/16AWG POWER CABLE, 1C/18AWG GROUND WIRE

Marking

STRUCTURED CABLE PRODUCTS Exxxxx (UL) OR c(UL) CM CL3 75C MM/YY --- P/N: LUTRON-RED --- SIVOIA --- 4C/18 AWG SHIELDED W/DRAIN + 2C/16 AWG + 1C/18 AWG - PVC JKT CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXX FEET

Construction

Component 1: 18AWG X4 core shield

Conductor	18AWG stranded bare copper
Size	7 X 26AWG
Dia.(in/mm)	0.047/1.20
Insulate	FR-PVC, Purple, gray, blue, yellow
Insulation Dia.(in/mm)	0.077/1.96
Drain wire	7X28AWG stranded Tinned copper
Dia.(in/mm)	0.038/0.96
Cabling	4C 22AWG and drain wire
Shield	AL foil
Wrapping Overlap(%)	25

Component 2: 16AWG X 2core

Conductor	16AWG stranded bare copper
Size	7 X 24AWG
Dia.(in/mm)	0.059/1.50
Insulate	FR-PVC, Red, black
Insulation Dia.(in/mm)	0.088/2.25

Component 3: 18AWG X 1core

Conductor	18AWG stranded bare copper
Size	7 X 26AWG
Dia.(in/mm)	0.047/1.20
Insulate	FR-PVC, Yellow with green stripe
Insulation Dia.(in/mm)	0.077/1.96

Final assembly

Cabling	Component 1&2&3
Filled	PP
Ripcord	Cotton
Wrapping	PET
Out jacket	FR-PVC, light blue with red stripe
Nom. Thickness(in/mm)	0.030/0.76
Cable Dia.(in/mm)	0.340/8.64

Packing

Wooden spool

Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	46.30/21.0

Performance

Electrical Characteristics:[@68°F.(20°C.)]

Component 1: 18AWGX4core	
Conductor DCR@ 20°C (ohms/kft)	6.25
Component 1: Drain wire	
Conductor DCR@ 20°C (ohms/km)	6.41
Component 2: 22AWGX2core	
Conductor DCR@ 20°C (ohms/km)	4.03
Component 1: 18AWGX4core	
Conductor DCR@ 20°C (ohms/kft)	6.25

Mechanical Characteristics:

Test Object:	Jacket		
Test Material			
Before	Tensile strength	(psi)	>=2000
Aging	Elongation	(%)	200
Aging Condition		(°C_hrs)	100_168
After	Tensile strength	(%)	>=85%unaged
Aging	Elongation	(%)	>=50%unaged
Cold Bend	(-20±2°C/4hrs)		No crack
Jacket Longitudinal Shrinkage	(%)		>=5
Operating Temperature Range	(°C)		-20~75

Standards

UL, CE, RoHS