Technical Document

1pair 22awg Screened + 1pair 18awg Lighting Control LSNH

Part Number: 390149E-LSNH-BLU/RED
Description: 1pair 22awg Screened + 1pair 18awg Lighting Control LSNH Blue with Red Stripe

Product Construction

Alternative to Lutron	:	GRX-CBL-346S

Data

Conductor Material	:	Bare Copper
Conductor Stranding	:	22awg, 7/0.25mm
Insulation Material	:	Polyethylene (PE)
Number of Pairs	:	1
Drain Wire	:	Tinned Copper, 24awg
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	>100%
Core Colours	:	White, Violet

Power

Conductor Material	:	Bare Copper
Conductor Stranding	:	18awg, 7/0.40mm
Insulation Material	:	Polyethylene (PE)
Number of Cores	:	2
Core Colours	:	Black, Red

Overall Construction

Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	Blue + Red Stripe

Mechanical Characteristics

Overall Diameter		:	5.0mm ± 0.2mm
Temperature Range	Fixed	:	-20°C to +70°C
	Flexing	:	0°C to +70°C
Bend Radius		:	10 x Overall Diameter
Weight		:	45 kg/km

Electrical Characteristics

Max. Conductor DC Resistance @ 20°C	: Data		≤ 55.4 Ω/km
	: Power		≤ 21.9 Ω/km
Capacitance, Data	Core to Core	:	82 pF/m ± 15
	Core to Screen	:	165 pF/m ± 25
Insulation Resistance @ 20°C		:	≥ 5000 MΩ*Km
Voltage Rating		:	300/300V

Certifications & Standards

Flame Retardancy	:	BS EN 60332-1-2
Low Smoke	:	BS EN 61034-2
Halogen Gas	:	BS EN 60754-1&2
CE Compliant	:	Yes
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
CPR CE Classification	:	Eca to EN 50575:2014+A1:2016