1822ECCH-E00
Technical Datasheet

Part No: 1822ECCH-E00
Description: 1 Pair 22awg Foil Screened + 2core 18awg Low Smoke Halogen Free (LSHF).

truLIGHTING

CONSTRUCTION PRODUCTS REGULATION
BS EN 50575
CLASS Eca
INDEPENDENTLY VERIFIED

Units

Data

Conductor Material	: Tinned Copper, 22(7)awg
Insulation Material	: Polypropylene (PP)
Number of Pairs	: 1
Drain Wire	: Tinned Copper, 24(7)awg
Overall Screen	: Overall Aluminium Foil (>100% Coverage)
Pair Identification	: White, Blue

Power

Conductor Material	: Bare Copper, 18(16)awg
Core Insulation	: Polypropylene (PP)
Number of Cores	: 2
Core Identification	: Red, Black

Overall Construction

Sheath Material	: Low Smoke Halogen Free (LSHF)
Sheath Colour	: Blue
Alternative to Belden	: 1502SB

Electrical Characteristics

Nom. Conductor Resistance @ 20°C		Data	: ≤ 54.2 Ω/km
		Power	: ≤ 23.7 Ω/km
Insulation Resistance @ 20°c			: ≥ 100 MΩ.M
Capacitance	Core to core	Data	: 45 pF/m ± 20
	Core to screen	Data	: 125 pF/m ± 35
Impedance		Data	: 100 Ω ± 10
Voltage Rating			: 450/750V *Applies to CE marked FSC branded stock only*
Test Voltage			: 2.5kV for 5 minutes

Physical Characteristics

Overall Diameter	: 6.4 ± 0.2mm
Min Bend Radius	: 15 x OD
Temperature Rating	: -20°C to +70°C
Weight	: 65 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1&2
RoHS3 Compliant	: Yes
CE Compliant	: LVD (2006/95/EC), CPR (305/2011)
CPR Classification	: Eca (EN50575:2014+A1:2016)

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