

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




### 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 <i>Applies to CE marked FSC branded stock only</i>
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)