

**Part No:** 1801POFPH-E00  
**Description:** 1 x 2 x 18(16)AWG Single Pair Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



### Construction

Conductor Material : Tinned Copper, 18(16)awg  
 Pair Insulation Material : Polyethylene (PE)  
 Number of Pairs : 1  
 Overall Screen : Aluminium Foil (100% Coverage)  
 Drain Wire : Tinned Copper, 20(7)awg  
 Sheath Material : Low Smoke Halogen Free (LSHF)  
 Sheath Colour : Grey  
 Core Identification : Clear/Black  
 Alternative to Belden : 8760

### Electrical Characteristics

Nominal Conductor Resistance @20°C : < 23.8 Ω/km  
 Capacitance Core to core : 78 pF/m ± 30  
 Core to screen : 152 pF/m ± 50  
 Impedance : 58 ± 25  
 Voltage Rating : 450/750 V *Applies to CE marked FSC branded stock only*  
 Test Voltage : 2.5 kV for 5 minutes

### Physical Characteristics

Overall Diameter : 5.6 ± 0.2mm  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -20°C to +70°C  
 Weight : 45 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  
 RoHS Compliant : Yes  
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)  
 CPR Classification : Eca (EN50575:2014+A1:2016)  
 UV and Weather Resistant : ISO 4892-3\*  
 : \*Applies to all Batches ST\*\*\*\*\* Onwards

