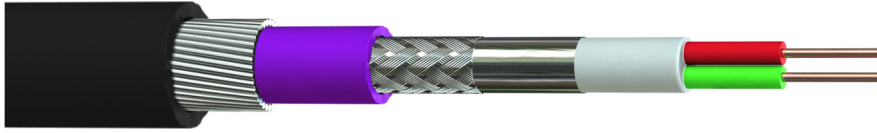


**Part No:** 2201PODFHA  
**Description:** Profibus DP Fast Connect 1 x 2 x 22(1)AWG One Pair Foil & Braid Screened Armoured Cable Low Smoke Halogen Free (LSHF) Black



### Construction

Conductor Material : Tinned Copper, 22(1)awg  
 Insulation Material : Foamed-Skin Polyethylene (FSPE)  
 Number of Pairs : 1  
 Overall Tape : Polyester  
 Inner Bedding : Low Smoke Halogen Free (LSHF)  
 1<sup>st</sup> Overall Screen : Aluminium Foil (100% Coverage)  
 2<sup>nd</sup> Overall Screen : Tinned Copper Wire Braid  
 Inner Sheath Material : Low Smoke Halogen Free (LSHF)  
 Inner Sheath Colour : Violet  
 Armour : Galvanised Steel Wire Armour (SWA)  
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)  
 Outer Sheath Colour : Black  
 Core Identification : Red & Green

### Electrical Characteristics

Nominal Conductor Resistance : < 57 Ω/km  
 Nominal Loop Resistance : < 115 Ω/km  
 Insulation Resistance @ 20°C : Min. 5G Ω x km  
 Screen Resistance : < 9.5 mΩ/m  
 Operating Capacitance : 30 nF/km  
 Transfer Impedance @ 10MHz : < 20 mΩ/m  
 Voltage Rating : 125 V  
 Test Voltage : 1000 V DC

### Transmission Performance

Frequency (MHz)	Attenuation (dB/100m)	Impedance (Ohm)
0.0096	2.5	250 ± 25
0.0384	4.0	185 ± 18
4.0	22.0	150 ± 15
16.0	42.0	150 ± 15
20.0	45.0	150 ± 15

### Physical Characteristics

Overall Diameter : 11.5 ± 0.4mm  
 Bend Radius : Fixed 6 x OD      Flexing 12 x OD  
 Temperature Rating : Fixed -20°C to 70°C      Flexing -0°C to 70°C  
 Maximum Traction Force : 100N  
 Weight : 23 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 (2014/35/EU)