Profibus DP Fast Connect PVC Violet
Technical Datasheet

Part No: 2201PODF
Description: Profibus DP Fast Connect 1 x 2 x 22(1)AWG One Pair Foil & Braid Screened Polyvinyl Chloride (PVC) Data Cable Violet

Construction
Conductor Material: Tinned Copper, 22(1)awg
Insulation Material: Foamed-Skin Polyethylene (FSPE)
Number of Pairs: 1
Overall Tape: Polyester
Inner Bedding: Polyvinyl Chloride (PVC)
1st Overall Screen: Aluminium Foil (100% Coverage)
2nd Overall Screen: Tinned Copper Wire Braid (≥80% Coverage)
Sheath Material: Polyvinyl Chloride (PVC)
Sheath Colour: Violet
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

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Attenuation (dB/100m)</th>
<th>Impedance (Ohm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0096</td>
<td>2.5</td>
<td>250 ± 25</td>
</tr>
<tr>
<td>0.0384</td>
<td>4.0</td>
<td>185 ± 18</td>
</tr>
<tr>
<td>4.0</td>
<td>22.0</td>
<td>150 ± 15</td>
</tr>
<tr>
<td>16.0</td>
<td>42.0</td>
<td>150 ± 15</td>
</tr>
<tr>
<td>20.0</td>
<td>45.0</td>
<td>150 ± 15</td>
</tr>
</tbody>
</table>

Physical Characteristics
Overall Diameter: 7.8 ± 0.2mm
Bend Radius: Fixed 6 x OD Flexing 12 x OD
Temperature Rating: Fixed -30°C to 80°C Flexing -5°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)