**PROFIBUS cable flexible**

**Function**

The PROFIBUS cable flexible is used for highly flexible energy chains and constantly moving machine parts. The dual shielding makes this line type perfectly for electromagnetically loaded areas.

**Application instruction**

Highly flexible bus lines used for the PROFIBUS standard according to DIN 19249, section 3 and EN 50170 as well as high-performance data networks with a rated impedance of 150 W. This field bus line is rated for transmission rates of up to 12 Mbps.

**Standards**

- IEC 61158-2; DIN 19245 T3; EN 50170
- EN 60332-1-2

**Chemical data**

- RoHS 2002/95/EG

**Construction**

- Conductor: AWG 24/7, bare
- Insulation: FS-PE
- Diameter: 2.50 ±0.05 mm
- Winding: Plastic foil
- Inner jacket: -
- Shielding total: Plastic laminated Aluminium foil
- Shielding: Copper, wire 0.10 vz
  Optical coverage >80%
- Jacket: Special PVC
- Diameter: 7.8 mm ±0.2 mm
- Colour: Violet, RAL 4001

**Electrical data**

- Loop resistance: Max. 175 Ohm/km according to VDE 0812
- Insulation resistance: Min. 5 GOhm x km at +20°C
- Operating capacity: Nom. 30nF/km
- Test voltage: 1000 V/DC
- Work voltage: 100 V
- Screen resistance: < 14,0 mOhm/m
- Transfer impedance: < 30 mOhm/m at 10 MHz

**Mechanical data**

- Bending radius: 20 x diameter during installation
  10 x diameter fixed
- Temperatur range: fix
  -5°C to +70°C
  oved: -30°C bis +80°C
- Max. tractive force: 100 N

**Ordering details**

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<th>PROFIBUS cable flexible</th>
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**Accessories**

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<th>PROFIBUS Fast Connect Stripping Tool</th>
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