

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: Violett, 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

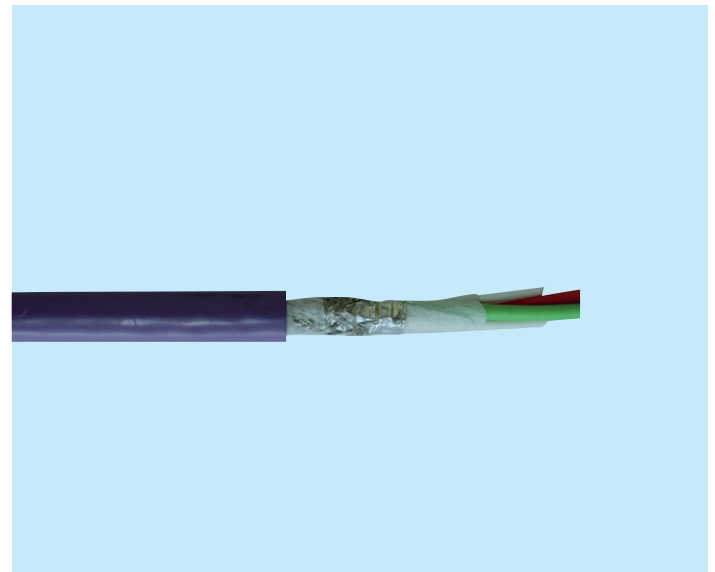
- Bending radius: 20 x diameter during installation
10 x diameter fixed
- Temperatur range: fix -5°C to +70°C
oved: -30°C bis +80°C
- Max. tractive force: 100 N

Ordering details

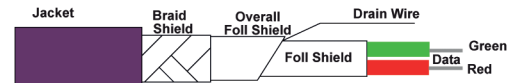
Art. No.

PROFIBUS cable flexible
110070001

Accessories

PROFIBUS Fast Connect Stripping Tool
110020032


PROFIBUS cable flexible



Engineering drawing