

PROFIBUS cable +FE flexible

Function

The **PROFIBUS cable +FE flexible** is a flexible data cable for transmission of analog and digital signals on cabling according to PROFIBUS standard in mechanical engineering. The inner jacket as fast connect version and the double shield braiding ensures maximum shielding values.

Standards

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

Chemical data

- RoHS 2002/95/EG

Construction

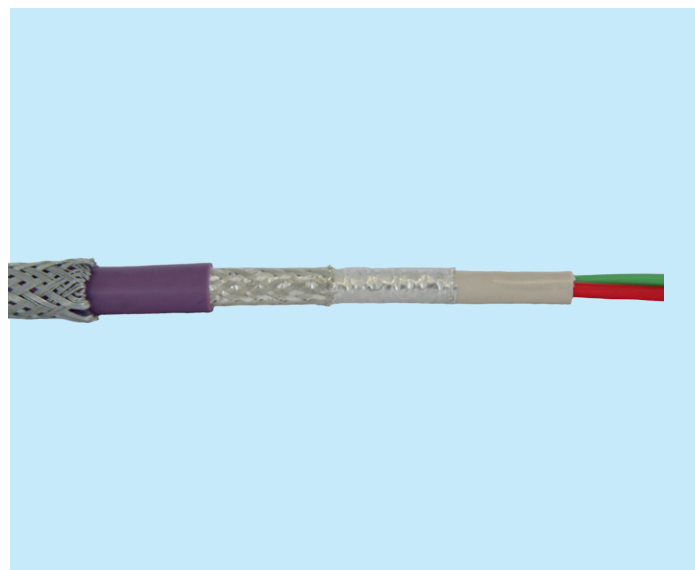
- Conductor: AWG 24/7, bare
- Insulation: FS-PE
- Diameter: $2,50 \pm 0,05$ mm
- Inner jacket: Special PVC
- Shielding total: Plastic laminated Aluminium foil
- Inner/outer screen: Copper, wire 0,10
Optical coverage > 80%
- Screen section: > $1,5$ mm²
- Carrying capacity: max. 10 A
(outer screen):
- Jacket: Special PVC
- Colour: Violett, RAL 4001
- Diameter: $8,2 \pm 0,2$ mm

Electrical data

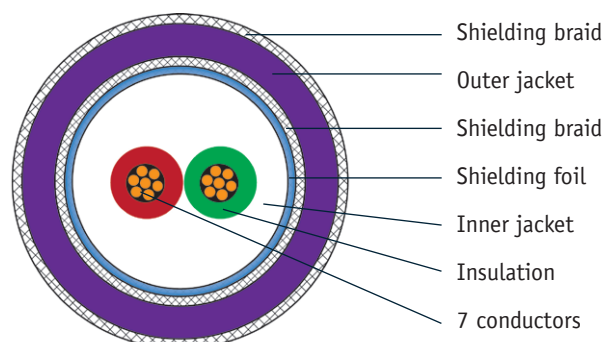
- Loop resistance: max. 175 Ohm/km according to VDE 0812
- Insulation resistance: min. 5 GOhm x km at +20°C
- Operating capacity: nom. 30nF/km
- Test voltage: 1000 V/DC
- Work voltage: 100 V
- Screen resistance: < 14,0 mOhm/m
- Transfer impedance: < 20 mOhm/mat 10MHz

Mechanical data

- Max. tractive force: 120 N
- Bending radius: 20 x diameter during installation
10 x diameter fixed
- Temperatur range:
 - fix: -30°C to +80°C
 - oved: -5°C to +70°C



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Cross section PROFIBUS cable +FE flexible

Ordering details

Art. No.

+FE PROFIBUS cable flexible

110070018