

Profibus Outdoor Cable



Technical data

- **Cable weight:** 64.0 kg/km
- **Copper weight:** 24.0 kg/km
- **Minimum bending radius for laying:** 120 mm
- **Temperature Range:** -40 °C to +70 °C

Cable structure

- **Conductor:** bare copper; 1 x 2 x 0.64 mm
- **Insulation:** foam-skin-PE
- **Core colors:** red, green
- **Stranding element:** 2 cores + 2 fillers stranded together
- **Shielding 1:** Al-PET foil
- **Shielding 2:** tinned copper braiding
- **Outer sheath material:** PE/PUR
- **Cable external diameter:** 7.8 mm +/- 0.2 mm

Electrical data

- **Characteristic impedance:** 150 Ohm +/- 10%
- **Conductor resistance:** 55.0 Ohm/km
- **Insulation resistance:** 1.00 GOhm x km
- **Mutual capacitance:** 30.0 nF/km
- **Test voltage:** 1.5 KV
- **Attenuation**

9.6 kHz	<2.5	dB/km
38.4 kHz	<4.0	dB/km
4 MHz	<22.0	dB/km
16 MHz	<42.0	dB/km

Standard:

- Profibus acc. to DIN 19245 T3 and EN50170

Application

The cable is used to exchange information between different automation systems and interconnect L2-BUS components. It is suitable for outdoor use with PE jacket and industry with PUR jacket.