

Foundation Fieldbus Type A



Technical data

- **Cable weight:** 89.0 kg/km
- **Copper weight:** 42.0 kg/km
- **Minimum bending radius for laying:** 60.0 mm
- **Temperature Range:** -40 °C to +105 °C

Electrical data

- **Characteristic impedance:** 100 Ohm +/- 10%
- **Conductor resistance:** 24.0 Ohm/km max.
- **Insulation resistance:** 2.0 GOhm x km min.
- **Mutual capacitance:** 65.0 nF/km nom.
- **Test voltage:** 1.5 KV
- **Attenuation:** 39 kHz 3.4 dB/km

Cable structure

- Inner conductor diameter: stranded bare copper (AWG 18/41)
- Core insulation: XLPE
- Core colors: blue, brown
- Stranding element: Double core
- Shielding: Al-PET+tinned copper braiding+drain wire
- Outer sheath material: PVC
- Cable external diameter: 7.9 mm
- Outer sheath color: yellow

Standard:

- Foundation Fieldbus Spec. FF-813-1.4

Application

The cable is designed for the Fieldbus cable for type A applications (31.25 Kbit/s).