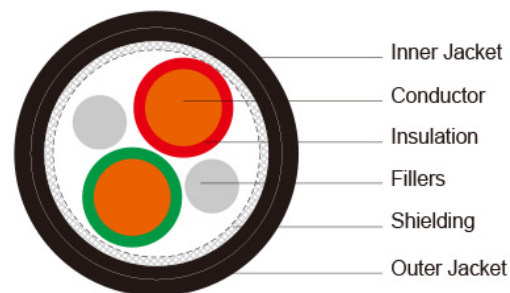


Profibus L2 Direct Burial



Application:

This system cable is used to interconnect L2-BUS components. This cable is an economical solution for the cell and field area. For the information exchange between different automation systems as well as for communication with the connected decentralized field units, serial field bus systems are used. The above mentioned type is suitable for underground installation and is equipped with a special PVC/PE jacket.

Construction:

| | |
|-----------------------------------|--|
| Type/Area of Application | Underground Laying |
| Cable Construction | 1x2x0.64 mm |
| Inner Conductor Diameter 1 | Copper, bare (AWG 22/1) |
| Conductor Insulation | Foam-skin-PE |
| Conductor Colors 1 | Red, green |
| Stranding Element | 2 conductors + 2 fillers stranded together |
| Shielding 1 | Polyester foil over stranded bundle |
| Shielding 2 | Polyester foil, aluminum lined |
| Total Shielding | Copper braid, tinned |
| Inner Jacket Material | PVC |
| Outer Jacket Material | PE |
| Outer Diameter | 10.0 mm ± 0.2 mm |
| Outer Jacket Color | Black |

Electrical Data:

| | |
|--|------------------|
| Characteristic Impedance @3-20MHz | 150 Ω ± 10 Ω |
| Conductor Resistance | 55.0 Ohm/km max. |

| | | | |
|---------------------------------|---------------------|---|-----------|
| Insulation Resistance | 1.00 GOhm x km min. | | |
| Mutual Capacitance@1 KHz | 30.0 nF/km nom. | | |
| Working Voltage | Max: 250 V | | |
| Test Voltage | 1.5 KV | | |
| Attenuation | 9.6kHz | < | 2.1dB/km |
| | 38.4kHz | < | 3.1dB/km |
| | 3.0MHz | < | 18.2dB/km |
| | 20.0MHz | < | 47.0dB/km |

Technical Data:

| | |
|--|--------------------------|
| Weight | approximately 92.0 kg/km |
| Min. Bending Radius for Laying | 18 x OD mm |
| Operating Temperature Range, min. | -40 °C |
| Operating Temperature Range, max. | +70 °C |