

02YS(St)CY

PROFIBUS

Bus-cable for Profibus

Permanent installation indoor • 1 x 2 x 0,64 / 2,50



APPLICATION

The cable can be used as connecting cable in general machinery construction. It is used as connection cable between bus segments. Cost-efficient plant and machinery wiring is the great advantage of bus technology. Only the information-related component responds to the signal and processes it. The cable is applicable for indoor installation.

STANDARDS

DIN 19245 T3; EN 50170 (acc. to Profibus specifications)

CONSTRUCTION

Conductor: copper wire, solid, bare (AWG 22/1)

Core insulation: Foam-Skin PE

Core identification: red, green

Core stranding: 2 cores and 2 drain wires layed up

Lapping: plastic foil

Screen: Al/PETP compound foil; tinned copper wire braid (visual covering appr. 80%)

Sheath: PVC; colour: violett RAL 4001

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------------------|---------------------|
| (Conductor) loop resistance max. | 115 Ω/km |
| Insulation resistance min. | 1 GΩ x km |
| Characteristic impedance (3 – 20 MHz) | 150 ± 15 Ω |
| Mutual capacitance nom. | 30 nF/km |
| Attenuation max. at | 9,6 kHz 2,5 dB/km |
| | 38,4 kHz 4,0 dB/km |
| | 4,0 MHz 22,0 dB/km |
| | 16,0 MHz 42,0 dB/km |
| Peak operating voltage | 250 V |
| Test voltage | 1500 V |

THERMAL & MECHANICAL PROPERTIES

| | |
|-----------------------------------|----------------|
| Temperature range stationary | -30°C to +70°C |
| Cable diameter | 7,5 ± 0,2 mm |
| Cable weight appr. | 54 kg/km |
| Copper index | 25kg/km |
| Minimum bending radius stationary | 65 mm |

Minimum order quantities may be required where the requested product does not meet our standard manufacturing minimums or is not indicated in the order, Shipping will always be made in the standard manufactured lengths or unless precisely requested.

We reserve changes which serve technical progress • Copper base 150,00 € / 100,00 kg
Price upon quantity-specific request