

PROFIBUS DP L2

Process field bus, 22AWG (0.64mm), indoor, fixed installation



Application

This system cable is used to interconnect L2-BUS components. This cable is an economical solution for the cell and field area. Serial field bus systems are used for the information exchange between different automation systems as well as for communication with the connected decentralized field unit. The types mentioned here are suitable for indoor laying and are equipped with a special PVC sheath.

Technical Data



TEMPERATURES

Operating: -20°C to 85°C



TEST VOLTAGE

1.5kV



MIN. BENDING RADIUS

Minimum 120mm



CHARACTERISTIC IMPEDANCE

150 Ω/KM ±10%



CONDUCTOR RESISTANCE

Max. 55 Ω/KM
Min. 1 GΩ x KM



LOOP RESISTANCE

Max. 110 Ω/KM



CALORIC LOAD

Max. 110 Ω/KM

ATTENUATION

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

Construction

Solid bare copper conductors (1/22AWG; 0.64mm²)
or Stranded bare copper conductors (19/24AWG; 0.64mm²)
Foam skin PE insulation (Red, Green)
Polyester foil over bundle (2 cores, 2 fillers)
Aluminium/polyester foil screen
Tinned copper braided screen
Outer sheath with PVC (OD 7.9mm ±0.3)
Outer sheath colour Violet

Properties & Identification

Weight: Total: ± 69.0 kg/km; Copper: 24.0 kg/km

For indoor, fixed installations

Additional

Cable Marking: VCC BUS-TRON L2 INDOOR 1 x 2 x 0.64 SOLID (/STRANDED)

PART NO.	NO. CORES X SIZE (AWG)	DESCRIPTION	CABLE OD	CABLE WEIGHT (KG/KM)
PROFIBUSDP-VI	1 x 2 x 0.64	PROFIBUS DP Solid	7.8	69.0
PROFIBUSDP-VI-STR	1 x 2 x 0.64	PROFIBUS DP Stranded	7.8	75.0