



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	Copper, bare (AWG 22/1)
Conductor Insulation	Foam-Skin-PE
Conductor Colors	Red, green
Stranding Element	2 conductors + 2 fillers stranded together
Shielding	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 @3-20Hz	150 Ω ± 10 Ω				
Conductor Resistance	57.1 Ohm/km max.				
Insulation Resistance	1.00 GOhm x km min.				
Mutual Capacitance @1KHz	30.0 nF/km nom.				
Working Voltage	Max: 250 V				
Test Voltage	1.5 kV				
Attenuation	9.6	kHz	<	2.1	dB/km
	38.4	kHz	<	3.1	dB/km
	3.0	MHz	<	18.2	dB/km
	20.0	MHz	<	47.0	dB/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

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