



Profibus L2 Indoor

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 fieldbus systems are used. The types mentioned here are suitable for indoor laying and are equipped with a special PVC jacket.



Construction:

Type/Area of Application	Fixed Installation, Indoor
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	Cu braid, tinned
Outer Jacket Material	PVC
Outer Diameter	7.8 mm ± 0.4 mm
Outer Jacket Color	Grey/Violet



Electrical Data:

Characteristic Impedance@3-20Hz	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	9.6	kHz	<	2.5	dB/km
	38.4	kHz	<	4	dB/km
	4	MHz	<	22	dB/km
	16	MHz	<	42	dB/km

Technical Data:

Weight	approximately 69.0 kg/km
Min. Bending Radius (Laying)	15 x OD mm
Operating Temp.Range, min.	-40 °C
Operating Temp.Range, max.	+70 °C

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