



Profibus L2, 7-wire

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. With this cord design, the type mentioned here is suitable for laying in regular mobile applications and is equipped with a special PVC jacket



Construction:

Type/Area of Application	Mobile Use
Cable Construction	1x2x0.64 mm (stranded)
Inner Conductor Diameter	Copper, bare (AWG 24/7)
Conductor Insulation:	Foam-Skin-PE
Conductor Colors 1	Red, green
Stranding Element	2 conductors + 2 fillers stranded together
Shielding	Polyester foil, aluminum lined
Total Shielding	Copper braid, tinned
Outer Jacket Material	PVC
Outer Diameter	7.8 mm ± 0.3 mm
Outer Jacket Color	Violet





Electrical Data:

Characteristic Impedance@3-20Hz	150 Ω ± 10 Ω				
Conductor Resistance	86.7 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	<	3.0	dB/km
	38.4	kHz	<	5.0	dB/km
	4.0	MHz	<	26.0	dB/km
	16.0	MHz	<	55.0	dB/km

Technical Data:

Weight	approximately 75.0 kg/km
Min. Bending Radius for Laying	10 x OD mm
Operating Temperature Range, min.	-20 °C
Operating Temperature Range, max.	+70 °C

* PROFIBUS is a registered trademark of PROFIBUS Nutzerorganisation (PNO)

