



Profibus L2 UL FT4

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 type described here is suitable for the installation in areas where the FT4 standard (special fire standard “vertical tray”) according to UL/CSA applies. For this purpose the line was equipped with a special outer 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	Copper braid, tinned
Drain wire	Yes
Outer Jacket Material	PVC
Outer Diameter	8.0 mm ± 0.4 mm
Outer Jacket Color	Violet



Electrical Data:

Characteristic Impedance@ -20Hz	150 Ω ± 10 Ω				
Conductor Resistance	55.0 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	<	2.5	dB/km
	38.4	kHz	<	4.0	dB/km
	4.0	MHz	<	22.0	dB/km
	16.0	MHz	<	45.0	dB/km

Technical Data:

Weight	approximately 66.0 kg/km
Min. Bending Radius for Laying	15 x OD mm
Operating Temperature Range, min.	-40 °C
Operating Temperature Range, max.	+70 °C

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