

BUS CABLES

PROFIBUS L2/FIP 150 Ohm

Factory instrumentation Protocol



TECHNICAL FEATURES

Conductor:	Sold wire bare copper
insulation:	Foam PE Polyethylene, with hard skin
Bedding:	Synthetic PVC bedding
Shield:	Overall Aluminium polyester tape, 100% coverage
Braid shield:	Tinned copper, optical coverage 60%
Sheath material:	Polyvinyl Chloride (PVC) Colour Violet RAL4001
Colour coding:	Red - Green
Standards:	EN 50170 / VDE 0482-332-1-2/IEC 60332-1-2

APPLICATION

This cable is usually referred as siemens profibus. Low capacitance cables with twisted pairs, double shield, for industrial use. PROFIBUS-L2/FIP are field bus cables designed for use in FIP (Factory Instrumentation Protocol), SINEC-L2 field bus systems and other high performance field bus networks.

SPECIAL FEATURES

lead Free CEI 20-52
Conform to RoHS

REMARKS

CE acc. to EC low-voltage Directory 73/23/EEC and 73/23/EEC and 93/68/EEC
Standard put up: 305 meters drums

Physical characteristics		
ITALICAB part number		ITAL357
No. of cores (twisted pairs)	Pairs/cond.	2p
Conductor size	AWG	22
Nom. Diameter of copper conductor	mm	0,64
Conductor stranding	n.xmm	1x0,64
Conductor stranding	n.awg	1x22
Conductor material	type	Cu Bare copper
Insulation material	type	Foam PE
Nom. Radial Thickness insulation	mm	0,80
Overall shield	Yes/No	Yes
Screen	Yes/No	Yes
Colour coding	type	Red - Green
Sheath material	type	PVC
Nom. Overall diameter of conductor	mm	2,55
Nom. Radial sheath thickness	mm	0,95
Nom. overall outer diameter	mm	8,0 ± 0,40
Electrical Characteristics		
Max. DC Resistance conductor at 20°C	Ω/km	<55,0
Nom. Impedance	Ω	150 ± 10
Mutual Capacitance @ 1 khz	nF/km	<35,0
Max. operating voltage	Volts	350
Miscellaneous		
Operating temperature	°C	-40 / 80°C
Min bending radius	mm	48
Nominal cable weight	kg/km	57