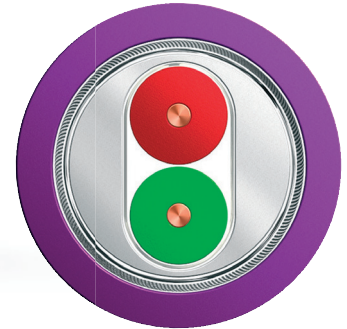


Profibus DP ES Cable for permanent Installation LSZH FireFighter™



L45467-G16-C286

Application	Cable Construction		
Profibus DP EasyStrip for permanent Installation. Low Smoke Zero Halogen (LSZH)	Conductor	Solid Bare Copper Wire, 22awg	Ø 0.65 mm
	Insulation	Foamed Polyethylene (PE) with skin	Ø 2.55 mm
	Colour Code	Red, Green twisted pair, Plastic tape overlapped	
	EasyStrip	Soft Thermoplastic copolymer, white	Ø 5.4 mm
	Screen	-Longitudinal Alulaminat foil	100% coverage
	Shield	-Tinned copper wire braid, 0.15mm	55% coverage
	Outer Jacket	LSZH FireFighter™, 0.9mm wall thickness	Ø 8.0 ± 0.4 mm
	Electrical Data		
Loop resistance		≤ 110 Ohm/km	
Screen resistance		≤ 9.5 Ohm/km	
Insulation resistance		≥ 16 GOhm*km	
Capacitance (1KHz)		≈ 28.5 nF/km	
Characteristic impedance	3-20 MHz		150±15 Ohm
	31.25-38.4 kHz		185±18.5 Ohm
	9.6 kHz		270±27 Ohm
Atenuation	16 MHz		< 42 dB/km
	4 MHz		< 22 dB/km
	38.4 kHz		< 4 dB/km
	9.6 kHz		< 2.5 dB/km
	Inductance (31.25 KHz)		≈ 1000 µH/km
Capacitance unbalance to ground		≤ 1500 pF/km	
Operating voltage (effective value)		≤ 100 V	
UL-Rating		600 V	
Rel. velocity of propagation		≈ 81 %	
Test voltage (DC 3 sec)		=3600 V	

Mechanical & Thermal Characteristics

Conductor material	acc. to DIN EN 13602 Cu-ETP-A...
Screen material	acc. to DIN EN 13602 Cu-ETP-A...-B
Insulating material	acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)
Jacket material	acc. to DIN EN 50290-2-27 (HD 624.7)
Flame retardant	acc. to IEC 60332-1-2
Corrosivity of fire gases	acc. to IEC 60754-2
Sunlight resistant	acc. to UL 1581 Sec.1200
Limited oil resistance	(4 Std. 60C)
Permissible Temp. range:	-25° C up to +80° C
Min. Bend radius allowed:	multiple 20 x Ø, single 15 x Ø
Pulling force with	≤ 100 N
Weight about	72 kg/km