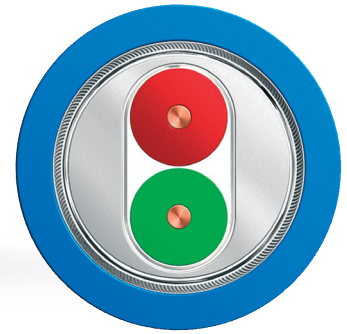
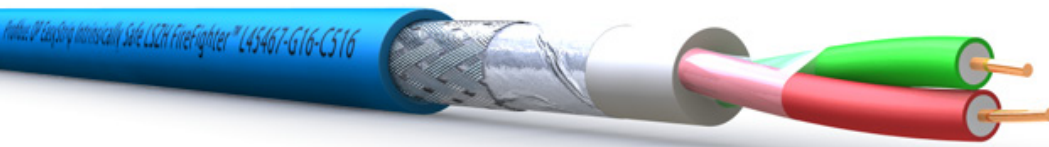


Profibus DP ES Cable for Intrinsically Safe Applications LSZH FireFighter™



L45467-G16-C516

Application	Cable Construction		
Profibus DP EasyStrip for Intrinsically Safe applications. 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 5.5 mm
	Screen	-Longitudinal Aluminated foil	100% coverage
	Shield	-Tinned copper wire braid, 0.15mm	55% coverage
	Outer Jacket	Low Smoke Zero Halogen, 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
Attenuation	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
Surface transfer impedance (20MHz)			≤ 5 mOhm/km
Operating Voltage (effective value)			≤ 100 V
UL-Rating			300 V
Rel. Velocity of Propagation			≈ 81 %
Test Voltage (DC 3 sec)			= 3600 V

Mechanical & Thermal Characteristics	
Flame retardant	acc. to IEC 60332-1-2
Halogen free	acc. to IEC 60754-1
Smoke-density	acc. to IEC 61034
RoHS compliant	(Directive 2002/95/EC)
Sunlight Resistance	acc. to UL 1581 Sec. 1200
Limited Oil Resistance	4 Std. 60°C
Permissible Temp. range	-25°C up to 80°C
Min. Bending radius allowed	repeated 10 x Ø , single 7.5 x Ø
Weight	72 kg/km