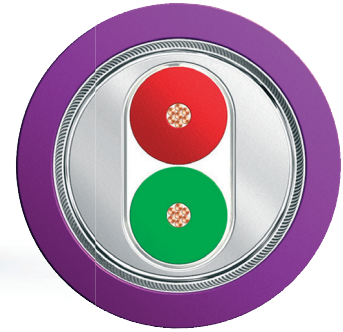


# Profibus DP ES Cable for Vibration Resistant Applications LSZH FireFighter™



231P2244

Application	Cable Construction	
Profibus DP EasyStrip for Vibration resistant applications. Low Smoke Zero Halogen (LSZH)	Conductor	Stranded Bare Copper Wire, 7x0.25 (22awg) Ø 0.76 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 Alulminate foil 100% coverage
	Shield	-Tinned copper wire braid, 0.15mm 85% coverage
	Outer Jacket:	LSZH FireFighter™, 0.9mm wall thickness Ø 8.0 ± 0.4 mm
<b>Electrical Data</b>		
Loop resistance	≤ 110 Ohm/km	
Insulation resistance	≥ 16,000 MOhm*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
Capacitance unbalance to ground	≈ 1500 pF/km	
Operating voltage	≤ 60 V	
Test voltage (wire/wire/screen rms 50Hz 1min)	=1000 v	

### Mechanical & Thermal Characteristics

Insulating material	acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3) (02Y)
Jacket material	acc. to DIN EN 50290-2-27 (HD 624.7)
Flame retardant	acc. to IEC 60332-1-2
Halogen free	acc. to IEC 60754-1
Smoke Density	acc. to IEC 61034
RoHS Compliant	
Temperature Range	-25° C up to +80° C
Min. Bend radius allowed	repeated 10 x Ø, single 5 x Ø
Weight about	84 kg/km