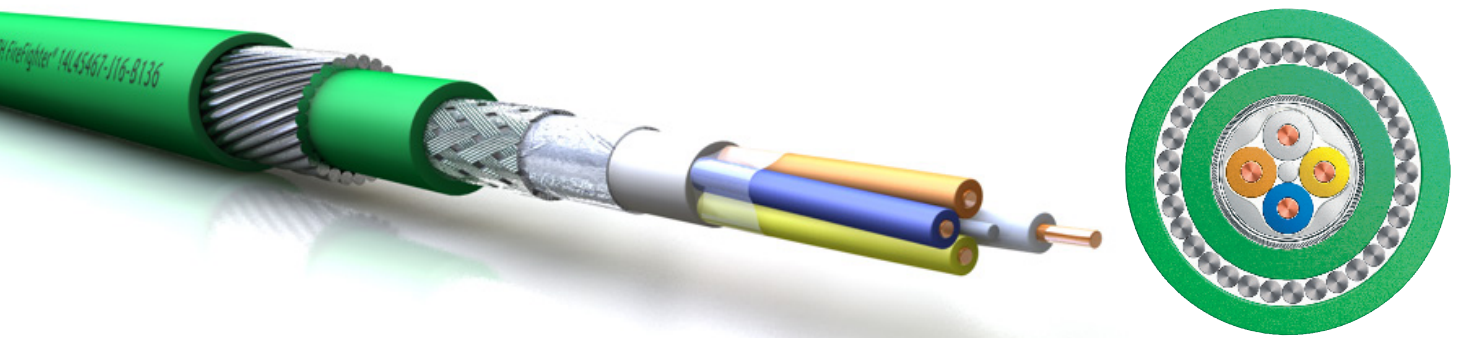


PROFINET Type A DataGuard™ Armoured LSZH FireFighter™



14L45467-J16-B136

Application	Cable Construction		
DataGuard™ Armoured PROFINET Type A ES cable for permanent installation in Harsh Environments. - Outdoor Use - Direct Burial - Rodent Protection - LSZH FireFighter®	Conductor	Solid Bare Copper Wire, 22awg	Ø 0.64 mm
	Insulation	Polyethylene (PE)	Ø 1.50 mm
	Colour Code	WH-YW-BU-OE, Plastic tape overlapped + filler	
	EasyStrip	Soft Thermoplastic Copolymer	Ø 3.9 mm
	Screen	-Longitudinal Aluminated foil	100% coverage
	Shield	-Tinned copper wire braid, 0.13mm	90% coverage
	Inner Jacket	LSZH FireFighter®, 0.9mm wall thickness	Ø 6.5 ± 0.2 mm
	Armour	DataGuard™ Steel Wire Armour (DSWA)	
	Outer Jacket	LSZH FireFighter®	Ø 10.3 ± 0.2 mm
	Electrical Data		
	Loop resistance		≤ 115 Ω/km
	Signal run time		≤ 5.3 ns/m
	Insulation resistance		≥ 500 MΩ*km
	Characteristic Impedance	1-100 MHz	100 ± 15 Ω
Surface transfer impedance	10 MHz	≤ 10 mΩ/m	
Test voltage (wire/wire/screen)	rms 50Hz 1min.	= 2000 V	

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Near-end crosstalk (dB-100m) typical value	80	75	70	65	63	60	55	50

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Attenuation (dB/100m) typical value	1,6	3,2	5,2	6,9	7,8	10,5	15	19,5