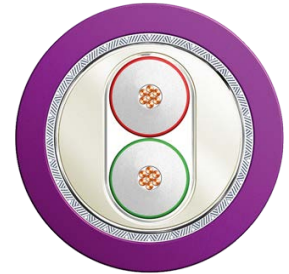


LEONI Profibus DP Marine Grade

Cable Design

Conductor	Stranded Bare Cu-wire, 7/0,25mm (22awg)
Diameter	0,75 mm
Insulation	Foamed Polyethylene (PE) with skin
Diameter	Ø 2,55 mm
Cable Core	2 cores twisted to a pair, Red and Green
Tape	Plastic tape, overlapped
EasyStrip Jacket	Thermoplastic copolymer, Ø 5,5 mm
Screen	Aluminium foil overlapped, applied longitudinally
Shield	Tinned copper wire braid 0.15 mm wires (35 AWG) coverage 85 %
Outer Jacket	Violet LSZH FireFighter® SHF-1/SHF-2
Diameter	Ø 8,0 ± 0,40 mm
Weight	84 kg/km



Application

Flexible installation on and below deck of commercial ships. The cables meet the technical requirements of IEC 60092-350, IEC 60029-351, IEC 60092-352, IEC 60092-353, IEC 60092-359, IEC 60092-370, IEC 60092-376. The SHF-2 version is Oil resistant acc. to EN 60811-2-1 (24 hours / 100°C)

Standards

Applicable Standards	IEC 60092, Sunlight resistant, approved by Germanischer Lloyd, Lloyds Register, Bureau Veritas, ABS, Det Norske Veritas
Flamability Rating	IEC 60332-1-2, IEC 60332-3-22 (Cat. A/F), IEC 60754-1, IEC 61034

Specification

Part Number	Type
L45467-G17-C46	SHF-1
L45467-G17-C56	SHF-2

Electrical Data @ 20° C

Loop resistance		≤	110	Ohm/km
Insulation resistance		≥	16000	MOhm*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	1 kHz	≈	28,5	nF/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

Temperature range		-25 to +80	°C
Min. Bending Radius	repeated	10	x Ø
	single	5	x Ø
Oil resistant	SHF-2 only	EN 60811-2-1	(24 hours / 100°C)
Sunlight resistant			UL 2556 Sec. 4.2.8.5