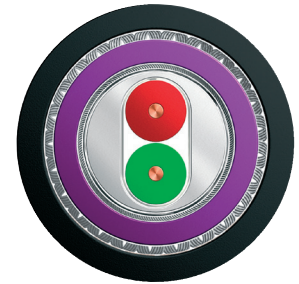


Armada[®] Profibus DP Offshore Cable SHF-1 UV

Cable Design

Conductor	Solid Bare Cu-wire, 1/0,65mm (22awg)
Diameter	0,65 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 5,4 mm
Screen	Alulaminare foil overlapped, applied longitudinally
Shield	Tinned copper wire braid 0.15 mm wires (35 AWG) coverage 55 %
Inner Jacket	Violet LSZH FireFighter [®]
Diameter	Ø 8,0 ± 0,40 mm
Armour	DataGuard [®] Galvanised Steel Wire Braid (GSWB)
Outer Jacket	LSZH FireFighter [®] SHF-1, UV-resistant
Diameter	Ø 11,60 ± 0,80 mm
Weight	224 kg/km



Application

Fixed installation on and below deck of commercial ships and offshore units. The cables meet the technical requirements of IEC 60092.

Standards

Flamability Rating	IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1/2, IEC 61034
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Specification

Part Number	Outer Jacket Colour
24L45467-G16-C286-01	Black
24L45467-G16-C286-02	Blue
24L45467-G16-C286-09	Violet

Electrical Data @ 20° C

Loop resistance		≤	110	Ohm/km
Screen resistance		≤	9,5	Ohm/km
Insulation resistance		≥	16	GOhm*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/100m
	4 MHz	≤	22	dB/100m
	38,4 kHz	≤	4	dB/100m
	9,6 kHz	≤	2,5	dB/100m
Inductance (31,25 kHz)		≈	1000	μH/km
Capacitance (1 kHz)		≈	28,5	nF/km
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

Temperature range		-25 to +80	°C
Min. Bending Radius	repeated	10	x Ø
	single	5	x Ø