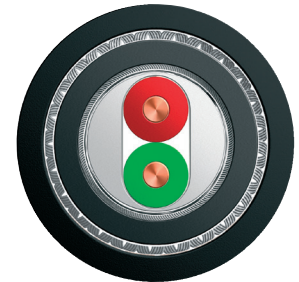


# Armada<sup>®</sup> Profibus PA Offshore Cable SHF-1 UV

## Cable Design

<b>Conductor</b>	Solid Bare Cu-wire, 1/1,05mm (18awg)
<b>Insulation</b>	Foamed Polyethylene (PE) with skin
Diameter	Ø 2,55 mm
<b>Cable Core</b>	2 cores twisted to a pair, Red and Green
Tape	Plastic tape, overlapped
EasyStrip Jacket	Thermoplastic copolymer, Ø 5,4 mm
Screen	Aluminium foil overlapped, applied longitudinally
Shield	Tinned copper wire braid 0.15 mm wires coverage 85 %
<b>Inner Jacket</b>	LSZH FireFighter <sup>®</sup>
Diameter	Ø 8,0 ± 0,40 mm
<b>Armour</b>	DataGuard <sup>®</sup> Galvanised Steel Wire Braid (GSWB)
<b>Outer Jacket</b>	LSZH FireFighter <sup>®</sup> SHF-1, UV-resistant
Diameter	Ø 10,65 ± 0,40 mm
Weight	386 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-J20-C46	Black
24L45467-J20-C86	Blue (for I.S. Applications)

## Electrical Data @ 20° C

Conductor resistance		≤	22	0hm/km
Insulation resistance		≥	10	M0hm*km
Capacitance (1 kHz wire/wire)		≈	50	nF/km
Capacitance (1 kHz wire/screen)		≈	92	nF/km
Operating voltage		≤	100	V
UL-Rating			600	V
Test Voltage (wire/wire/screen rms 50 Hz 1min)			2000	V
Characteristic Impedance	31,25 MHz		100±20	0hm
Attenuation	39 kHz	≤	3	dB/km
Capacitance Unbalance e		≤	2	nF/km
Inductance (31,25 kHz)			650	μH/km
Surface transfer impedance (20 MHz)		≤	5	m0hm/m
Rel. Velocity of Propagation		≈	81	%

## Mechanical & Thermal Characteristics

Tempearture range		-20 to +80	°C
Min. Bending Radius	repeated	10	x Ø
	single	5	x Ø