

PROFIBUS PA 2x18/7 AWG  
LSZH-SHF2



## Application

Offshore installations, Maritime Environment, RS-485, Indoor/outdoor installation, ISA/SP-50  
Fieldbus Type A, Harsh Environments, Profibus PA industrial communication.

## Cable Design

<b>Conductor</b> AWG	Stranded Annealed Tinned Copper wire 18/7 AWG (7/0,40mm)
<b>Insulation</b> Diameter	Solid Polyethylene (PE) Ø 3,17 mm nom.
<b>Formation</b> Pair Identification	2 cores twisted to a pair Red / Green
<b>Foil shield</b>	Overall Aluminium/polyester foil, 100% coverage
<b>Braid</b>	Annealed Tinned Copper Wire Braid, 80% nom. coverage

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Outer Jacket	XL-HFFR FireFighter <sup>®</sup> SHF-2
Colour	Black, Blue or Orange
Thickness	1,30 mm nom.
Diameter	Ø 9,50 mm
Weight	120 kg/km

## Performance



Impedance	100	Ohm
Max. DC Resistance	22	Ohm/km @ 20° C
Max. Resistance Unbalance	3	%
Attenuation (@ 39,5 kHz)	0,25	dB/km
Capacitance	48	pF/m
Capacitance Unbalance	1,6	pF/m max.
Velocity of Propagation	68	% nom.
Dielectric Strength	1500	V/minute
Dielectric Strength to Shield	1000	V/minute
Voltage Rating	300	V
Min. Bend Radius	75	mm
Max. Operating Temperature	+90	°C
Min. Operating Temperature	-40	°C
UV resistance	YES	

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## Standards

Applicable Standards	DNV-GL certified, IEC 60092-359, IEC 60092-350, IEC 60811-2-1, RoHS 3 2015/863/EU
Flammability Rating	IEC60332-1-, IEC 60332-3-22 , IEC 60332-3-24, IEC 60754-1/2, IEC 61034-1/2

## Specification

Part Number	Type	
AMP118-UAZF2-01	Armada <sup>®</sup> PROFIBUS PA 2x18/7 AWG LSZH SHF-2 DNV-GL certified - Black	
AMP118-UAZF2-02	Armada <sup>®</sup> PROFIBUS PA 2x18/7 AWG LSZH SHF-2 DNV-GL certified - Blue	
AMP118-UAZF2-08	Armada <sup>®</sup> PROFIBUS PA 2x18/7 AWG LSZH SHF-2 DNV-GL certified - Orange	