

PROFIBUS PA 2x18/7 AWG LSZH-SHF2 MUD Resistant



Application

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

Cable Design

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

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Inner Jacket FR-LSZH FireFighter[®] Black
Colour Black

Outer Jacket XL-HFFR FireFighter[®] SHF-2
Colour Black
Thickness 1,10 mm nom.
Diameter Ø 11,70 mm
Weight 179 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	
Mud Resistance	YES	



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Standards

Applicable Standards	DNV certified, IEC 60092-359, IEC 60092-350, IEC 60794-1-2, IEC 60811-2-1, RoHS-2 2011/65/EU, NEK TS 606
Flammability Rating	IEC 60332-3-22, IEC 60332-3-24, IEC 60754-1/2, IEC 61034-1/2

Specification

Part Number	Type
AMP118-UAZFM	Armada® PROFIBUS PA 2x18/7 AWG LSZH MUD Resistant NEK TS 606 DNV certified - Black