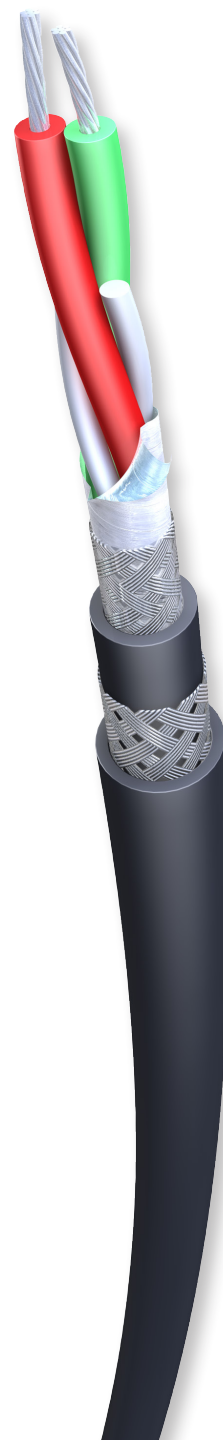
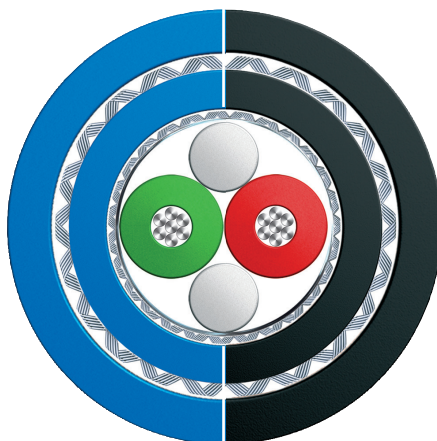


Armoured (GSWB) PROFIBUS PA 2x18/7 AWG LSZH SHF1/MUD



Application

DNV-GL approved Offshore installations, Maritime Environment, Outdoor and direct burial installations, RS-485, ISA/SP-50 Fieldbus* Type A, Profibus PA industrial communication, Harsh Environments.

Cable Design

Conductor	Stranded Annealed Tinned Copper wire 18/7 AWG (7/0,40mm)
Insulation	PO : Ø 3,17 mm nom.
Pair	2 cores twisted to a pair (Red / Green)
Foil shield	Overall Aluminium/polyester foil
Braid shield	Annealed Tinned Copper Wire Braid, 80% nom. coverage
Inner Jacket	FR-LSZH SHF-1 Ø 9,50 mm
Armour	DataGuard® Galvanised Steel Wire Braid (GSWB)
Outer Jacket	FR-LSZH SHF-1 or XL-HFFR MUD Resistant

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Performance

Frequency Range	0-1	MHz
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	150	mm
Max. Operating Temperature	+75	°C
Min. Operating Temperature	-35	°C
UV resistance	YES	
Rodent Resistance	YES	

Standards

Applicable Standards	SHF-1: DNV-GL certified, IEC 60092-360, RoHS 3 2015/863/EU
	MUD Resistant: DNV-GL certified, IEC 60092-360, IEC 60811-2-1, RoHS 3 2015/863/EU, NEK TS 606
Flammability Rating	IEC 60332-1, IEC 60332-3-22, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2

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Specification

Part Number	Outer Jacket Type	Outer Jacket Colour	AWG	Insulation Diameter [mm nom.]	Overall Diameter [mm nom.]	Weight [kg/km]
AMP118-WBZF1-01	SHF1	Black	18	3,17	13,0	300
AMP118-WBZF1-02	SHF1	Blue	18	3,17	13,0	300
AMP118-WBZFM-01	MUD	Black	18	3,17	13,0	300
AMP118-WBZFM-02	MUD	Blue	18	3,17	13,0	300