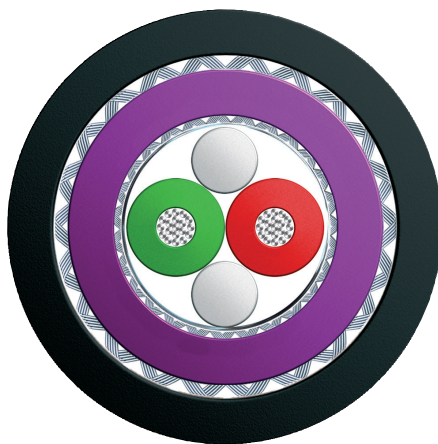


Armoured (GSWB) PROFIBUS DP 2x22/19 AWG LSZH SHF1/MUD



Application

DNV-GL approved Offshore installations, Maritime Environment, Ships, High speed & Light craft, Outdoor and direct burial installations, Data transmission, ProfiBus LAN, Harsh Environments, RS-485.

Cable Design

Conductor	Stranded Annealed Tinned Copper wire 22/19 AWG (19/0,16mm)
Insulation	Cellular PE Ø 2,60 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 Violet Ø 8,40 mm
Armour	DataGuard® Galvanised Steel Wire Braid (GSWB)
Outer Jacket	FR-LSZH SHF-1 or XL-HFFR MUD Resistant

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Performance

Impedance	150	Ohm
Max. DC Resistance	55	Ohm/km @ 20°C
Attenuation (@ 16 MHz)	42	dB/km max.
Capacitance	28	pF/m
Capacitance Unbalance	1,3	pF/m max.
L/R Ratio	14	μH/Ω
Dielectric Strength	700	V/minute
Dielectric Strength to Shield	700	V/minute
Min. Insulation Resistance	4	GΩ • km
Voltage Rating	300	V
Min. Bend Radius	140	mm
Max. Operating Temperature	+80	°C
Min. Operating Temperature	-40	°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]
AMD122-WBZF1-01	SHF1	Black	22	2,60	12,0	250
AMD122-WBZF1-09	SHF1	Violet	22	2,60	12,0	250
AMD122-WBZFM-01	MUD	Black	22	2,60	12,0	250
AMD122-WBZFM-09	MUD	Violet	22	2,60	12,0	250