

PROFIBUS DP 2x22/19 AWG LSZH-SHF2 MUD Resistant



Application

Offshore installations, Maritime Environment, Ships, High speed & Light craft, Profibus DP industrial communication, PROFIBUS LAN, Harsh Environments, RS-485. MUD Resistant.

Cable Design

Conductor	Stranded Annealed Tinned Copper wire
AWG	22/19 AWG (19/0,16mm)
Insulation	Foam skin PE
Diameter	Ø 2,60 mm nom.
Formation	2 cores twisted to a pair
Pair Identification	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 [®] Violet
Thickness	1,30 mm nom.
Diameter	Ø 8,40 mm
Outer Jacket	XL-HFFR FireFighter [®] SHF-2 Black
Thickness	1,10 mm nom.
Diameter	Ø 10,60 mm
Weight	150 kg/km

Performance

Impedance	150	Ohm
Max. DC Resistance	55	Ohm/km @ 20° C
Attenuation (@ 16 MHz)	42	dB/km max.
Inductance Value	900	µH/km max.
L/R Ratio	8,2	µH/ohm max.
Capacitance	28	pF/m
Capacitance Unbalance	1,3	pF/m max.
Dielectric Strength	700	V/minute
Dielectric Strength to Shield	700	V/minute
Min. Insulation Resistance	4	GOhm • km
Voltage Rating	300	V
Min. Bend Radius	70	mm
Max. Operating Temperature	+80	°C
Min. Operating Temperature	-40	°C
UV resistance	YES	
Mud Resistance	YES	



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Standards

Applicable Standards	DNV-GL certified, IEC 60092-359, IEC 60092-350, IEC 60794-1-2, IEC 60811-2-1, RoHS 3 2015/863/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
AMD122-UAZFM	Armada® ProfiBus DP 2x22/19 AWG LSZH SHF-2 MUD Resistant NEK TS 606 DNV-GL certified - Black