

DeviceNet THICK 2x18/19 AWG + 2x15/19 AWG
S/FTP Dual Sheath SHF2 / MUD-Resistant



Application

Offshore installations, Maritime Environment, Fixed or portable installations, DeviceNet Trunk and drop lines, Field bus on the process level, Harsh Environments, Indoor/outdoor installation. The inner cable is DNV Certified and further finished with a MUD-Resistant sheath to meet the demands required.

Cable Design

Data Pair

Conductor	Stranded Annealed Tinned Copper wire
AWG	18/19 AWG (19/0,254mm)
Insulation	Polyolefin (PO) Ø 3,40 mm nom.
Pair Identification	Blue / White
Foil shield	Overall Aluminium/polyester foil, 100% coverage

Current Power Pair

Conductor	Stranded Annealed Tinned Copper wire
AWG	15/19 AWG (19/0,36mm)
Insulation	Polyolefin (PO) Ø 2,50 mm nom.
Pair Identification	Red / Black
Foil shield	Overall Aluminium/polyester foil, 100% coverage

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Cable Core

Central element	Stranded Annealed Tinned Copper wire (18awg)
Pairs	1 x 18awg data pair + 1 x 15awg Power Pair
Braid	Annealed Tinned Copper Wire Braid, 65% nom. coverage
Inner Jacket	XL-HFFR FireFighter [®] SHF-2 Violet

Inner Jacket

	XL-HFFR FireFighter [®] SHF-2 Violet
Thickness	2,20 mm nom.
Diameter	Ø 13,50 mm

Outer Jacket

	XL-HFFR MUD-Resistant, Black
Thickness	1,40 mm nom.
Diameter	Ø 16,30 mm

Performance

Impedance		120	Ohm
Max. DC Resistance	Data Pair	22	Ohm/km nom.
	Power Pair	11	Ohm/km nom.
Capacitance	Data Pair	~ 40	pF/m
	Power Pair	~ 100	pF/m
Pair inductance	Data Pair	~ 0,79	µH/m
	Power Pair	~ 0,57	µH/m
Velocity of Propagation		76	% 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		-40	°C
UV resistance		YES	



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Standards

Applicable Standards	< Inner cable DNV certified>, IEC 60092-359, IEC 60092-350, IEC 60811-2-1, RoHS 3 2015/863/EU
Flammability Rating	IEC 60332-1, IEC 60332-3-22, IEC 60754-1/2, IEC 61034-1/2, UL 1581 VW-1

Specification

Part Number	Type
AMV21518-UAZFM	Armada® DeviceNet 2x18/19 AWG + 2x15/19 AWG S/FTP Dual Sheath SHF2 / MUD-Resistant