

DeviceNet THIN 2x24/19 AWG + 2x22/19 AWG
S/FTP Dual Sheath SHF2 / MUD-Resistant



Application

Maritime Environment, DeviceNet Drop Lines, Fixed or portable installations, Industrial communication, Data transmission, Harsh Environments. 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	24/19 AWG (19/0,127mm)
Insulation	Polyethylene (PE) Ø 1,95 mm nom.
Pair Identification	Blue / White
Foil shield	Overall Aluminium/polyester foil, 100% coverage

Current Power Pair

Conductor	Stranded Annealed Tinned Copper wire
AWG	22/19 AWG (19/0,16mm)
Insulation	Polyethylene (PE) Ø 1,50 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 (22awg)
Pairs	1 x 24awg data pair + 1 x 22awg Power Pair
Braid	Annealed Tinned Copper Wire Braid, 85% nom. coverage

Inner Jacket

	XL-HFFR FireFighter [®] SHF-2, Violet
Thickness	1,10 mm nom.
Diameter	Ø 7,30 mm

Outer Jacket

	XL-HFFR MUD-Resistant, Black
Thickness	1,40 mm nom.
Diameter	Ø 10,10 mm nom.

Performance

Impedance		120	Ohm
Max. DC Resistance	24 awg	84	Ohm/km @ 20 °C
	22 awg	53	Ohm/km @ 20 °C
Capacitance	data pair	44	pF/m
Velocity of Propagation		66	% nom.
Dielectric Strength		1500	V/minute
Dielectric Strength to Shield		1000	V/minute
Min. Bend Radius		50	mm
Max. Operating Temperature		+75	°C
Min. Operating Temperature		-40	°C
UV resistance		YES	



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Standards

Applicable Standards	< Inner cable DNV-GL 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 60332-3 , IEC 60754-1/2, IEC 61034-1/2

Specification

Part Number	Type
AMV22224-UAZFm	Armada® DeviceNet 2x24/19 AWG + 2x22/19 AWG S/FTP Dual Sheath SHF2 / MUD-Resistant