

RS-485 2x2x22/7 AWG SF/UTP LSZH-SHF2 Data Cable



Application

Offshore installations, Maritime Environment, RS-232, Fixed or portable installations, RS-422, Industrial communication, RS-485, High Noise Environments

Cable Design

Pair

Conductor	Stranded annealed tinned copper wire, 22awg (7/0,25mm)
Insulation	Cellular PO Ø 2,13 mm nom.
Twisting	2 insulated conductors twisted to a pair

No. of Pairs

Identification	Blue x White, Orange x White
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Overall Shield

Foil Screen	Aluminium/polyester tape
Drain wire	Stranded annealed tinned copper wire, 24awg
Braid	Annealed tinned copper wire braid, 85% coverage

Outer Jacket

	XL-HFFR SHF2, Black UV-Resistant
Outer Diameter	Ø 10,5 mm nom.
Weight	125 kg/km

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Standards

Applicable Standards	DNV-GL certified, IEC 60092-359, IEC 60092-350, IEC 60811-2-1, ASTM G154, RoHS-2 2011/65/EU
Flammability Rating	IEC 60332-1, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2, UL 1581 VW-1

Performance

Impedance	120	Ohm
Attenuation	@ 1 MHz	1,7 dB/100m
	@ 10 MHz	5,0 dB/100m
NEXT Attenuation	@ 1 MHz	47 dB
	@ 10 MHz	35 dB
Transfer Impedance	Grade 1	
Coupling Attenuation	Type 1	
Max. DC Resistance	57	Ohm/km @ 20 °C
Max. Resistance Unbalance	2	%
Dielectric Strength	700	V/minute
Dielectric Strength to Shield	700	V/minute
Voltage Rating	300 (*)	V
Min. Bend Radius	70	mm
Max. Operating Temperature	+75	°C
Min. Operating Temperature	-30	°C
UV resistance	Yes	

(*) Cable voltage rate is 300 V, however the cable is not intended to be used as power transmission cable.

Specification

Part Number	Type
AMR222-UAZF2	Armada® RS-485 2x2x22/7 AWG SF/UTP LSZH-SHF2