

RS-485 2x2x24/7 AWG SF/UTP
LSZH-SHF2 Data Cable



Application

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

Cable Design

Pair

Conductor	Stranded annealed tinned copper wire, 24awg (7/0,20mm)
Insulation	Cellular PO Ø 1,30 mm nom.
Twisting	2 insulated conductors twisted to a pair

No. of Pairs

2

Identification

Blue x White, Orange x White

Overall Shield

Foil Screen	Aluminium/polyester tape
Drain wire	Stranded annealed tinned copper wire, 26awg
Braid	Annealed tinned copper wire braid, 80% coverage

Outer Jacket

XL-HFFR SHF2, Black UV-Resistant

Outer Diameter

Ø 8,5 mm nom.

Weight

75 kg/km

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Standards

Applicable Standards	DNV certified, ABS certified, IEC 60092-359, IEC 60092-350, IEC 60811-2-1, RoHS 3 2015/863/EU
Flamability Rating	IEC 60332-1, IEC 60332-3-22, IEC 60754-1/2, IEC 61034-1/2, UL 1581 VW-1

Performance

Characteristic Impedance	120 Ω up to 100 KHz 100 Ω in higher frequency	
Max. DC Resistance	93	Ohm/km @ 20 °C
Max. Resistance Unbalance	2	%
Capacitance (core - core)	38	pF/m nom.
Capacitance Unbalance	1,3	pF/m max.
Dielectric Strength	700	V/minute
Dielectric Strength to Shield	700	V/minute
Voltage Rating	300 (*)	V
Min. Bend Radius	50	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.

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Transmission Properties

Frequency (MHz)	Attenuation (dB/100m)	NEXT Attenuation (dB)
1	2,6	75
4	5,6	75
8	8,5	75
10	9,7	75
16	13,1	75

Specification

Part Number	Type
AMR224-UAZF2	Armada [®] RS-485 2x2x24/7AWG SF/UTP SHF2