

RS-485 2x22/7awg SF/UTP  
LSZH-SHF2 Fire & MUD resistant Data Cable



## Application

Offshore installations, Maritime Environment, RS-485, High Noise Environments, Industrial communication, Indoor & Outdoor Use, Fixed or Portable Installation. The cable design and structure comply with the circuit integrity performance IEC 60331-23 and allows data transmission during the fire.

## Cable Design

Conductor	Stranded annealed tinned copper wire, 22awg (7/0,25mm)
Insulation	XLPE + Fire Resistant Tape Ø 2,50 mm nom.
Twisting	2 insulated conductors twisted to a pair
Pair Identification	Blue x White
Foil Shield	Aluminium/polyester tape
Braid Shield	Annealed tinned copper wire braid, 80% coverage
Inner Jacket	FR-LSZH
Outer Jacket	XL-HFFR SHF2 MUD-Resistant
Outer Diameter	Ø 9,30 mm nom.
Weight	120 kg/km

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## Standards

Applicable Standards	DNV certified, IEC 60092-360, IEC 60811-2-1, RoHS 3 2015/863/EU, NEK TS 606
Flammability Rating	IEC 60331-23, IEC 60331 FE 90, 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
Max. DC Resistance	55	Ω/km @ 20 °C
Dielectric Strength	1000	V/minute
Dielectric Strength to Shield	1000	V/minute
Min. Bend Radius	8	x Ø
Max. Operating Temperature	+90	°C
Min. Operating Temperature	-40	°C
UV resistance	Yes	
Fire resistance	Yes	
MUD resistance	Yes	

*transmission properties during and after fire are limited to frequency range up to 119 KB/sec*

## Specification

Part Number	Type
AMRFR122-UAZFM	Armada® RS-485 2x22/7 AWG SF/UTP LSZH-SHF2 Fire & MUD resistant <DNV approved>