

RS-485 2x24/7 AWG SF/UTP  
LSZH-SHF2 Data Cable



## Application

Offshore installations, Maritime Environment, Indoor/outdoor installation, Fixed or portable installations, CAN Bus communication, Industrial communication, RS-485

## Cable Design

### Pair

Conductor	Stranded annealed tinned copper wire, 24awg (7/0,203mm)
Insulation	Cellular PO Ø 1,30 mm nom.
Twisting	2 insulated conductors twisted to a pair

### No. of Pairs

Identification	Blue x White
----------------	--------------

### Overall Shield

Foil Screen	Aluminium/polyester tape
Drain wire	Stranded annealed tinned copper wire, 24awg
Braid	Annealed tinned copper wire braid, 80% coverage

### Outer Jacket

Outer Diameter	XL-HFFR SHF2, Black UV-Resistant
Weight	Ø 6,0 mm nom. 46 kg/km

RS-485 2x24/7 AWG SF/UTP  
LSZH-SHF2 Data Cable

## Standards

Applicable Standards	DNV-GL certified, IEC 60092-359, IEC 60092-350, IEC 60811-2-1, RoHS-2 2011/65/EU
Flamability Rating	IEC 60332-1, IEC 60332-3-22, IEC 60332-3, IEC 60754-1/2, IEC 61034-1/2

## Performance

Frequency Range	1-16	MHz
Impedance	120	Ohm
Max. DC Resistance	94	Ohm/km @ 20 °C
Max. Resistance Unbalance	1	%
Max. Screen Resistance	15	Ohm/km @ 20 °C
Attenuation	@ 1 MHz	21,3 dB/km max.
	@ 10 MHz	72,2 dB/km max.
	@ 20 MHz	102,0 dB/km max.
Capacitance:	42	pF/m
Velocity of Propagation	75	% nom.
Dielectric Strength	1000	V/minute
Dielectric Strength to Shield	700	V/minute
Min. Insulation Resistance	4	GOhm • km
Min. Bend Radius	35	mm
Max. Operating Temperature	+75	°C
Min. Operating Temperature	-30	°C
UV resistance	Yes	

## Specification

Part Number	Type
AMR124-UAZF2	Armada <sup>®</sup> RS-485 2x24/7 AWG SF/UTP LSZH-SHF2