

CanBus 2x2x20awg SF/UTP  
Fire Resistant LSZH



## Application

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

## Cable Design

Conductor	Stranded Annealed Tinned Copper wire, 20 AWG (19x0.20 mm)
Insulation	XLPE + Fire Resistant Tape. Ø 2,60 mm nom.
Formation	2 pairs twisted to quad formation
Pair Identification	RED ( L1 Hi), BLUE ( L2 Lo), BROWN ( L1 Lo), GREEN ( L2 Hi)
Foil Shield	Aluminium/polyester tape
Braid Shield	Annealed Tinned Copper Wire Braid,70% nom. coverage
Outer Jacket	FR-LSZH SHF-1 or XL-HFFR SHF2 or XL-HFFR MUD-Resistant
Diameter	Ø 11,40 mm nom.

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## Standards

Applicable Standards	DNV-GL certified, IEC 60092-360, RoHS 3 2015/863/EU
Flammability Rating	EN 50200, IEC 60331-23, IEC 60332-1, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2, UL 1581 VW-1

## Performance

Impedance	120	Ohm
Max. DC Resistance	35	Ohm/km @ 20° C
Dielectric Strength	1000	V/minute
Dielectric Strength to Shield	1000	V/minute
Voltage Rating	300*	V
Min. Bend Radius	8	x Ø
Max. Operating Temperature	+75	°C
Min. Operating Temperature	-30	°C
UV Resistance	Yes	
Fire resistance	Yes	

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

## Specification

Part Number	Outer Jacket	Colour
AMCFR250-UAZF1	SHF1	Black
AMCFR250-UAZF2	SHF2	Black
AMCFR250-UAZFM	MUD Resistant	Black