

RS-485 4x2x1.5 mm² S/FTP
GSWB Armoured LSZH SHF1



Application

Offshore installations, Maritime Environment, RS-485, Direct burial, Field bus on the process level, High Noise Environments, ISA/SP-50 Fieldbus* Type A

Cable Design

Conductor	Stranded annealed tinned copper wire, 1,50mm ² (7/0,516mm)
Insulation	Cellular PO) Ø 3,40 mm nom.
Twisting	2 insulated conductors twisted to a pair
No. of Pairs	2
Pair Identification	White X Blue, White X Orange, White X Green, White X Brown
Foil Screen	Aluminium/polyester tape 100% coverage
Braid	Annealed tinned copper wire braid, 60% coverage
Inner Jacket	LSZH SHF1, Black UV-Resistant Ø 17,50 mm nom. [RT 1,1 mm nom.]
Armour	Bronze Braid Armour
Outer Jacket	LSZH SHF1, Black UV-Resistant Ø 21,50 mm nom. [RT 1,2 mm nom.]

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Standards

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

Performance

Impedance:	100 Ω
Max. DC Resistance :	14 Ω/km@20°C
Max. Resistance Unbalance:	2 %
Attenuation:	1.7 dB/Km max. @ 32.5 KHz
Capacitance:	42.0 pF/m
Capacitance Unbalance:	1.2 pF/m max.
Velocity of Propagation:	75 % nom.
Dielectric Strength:	2000 V/minute
Dielectric Strength to Shield:	1500 V/minute
Voltage Rating:	300 (*) V
Min. Bend Radius:	110 mm
Max. Operating Temperature:	+75 °C
Min. Operating Temperature:	-40 °C
UV Resistance:	Yes
Rodent Resistance:	Yes

(*) voltage rating is 300 V. However the cable is not intended to be used for mains power supply.

Specification

Part Number	Type
AMR415-WBZF1	RS-485 4x2x1.5 mm ² S/FTP GSWB Armoured LSZH SHF1