



HOLMEFJORD

NÅR VIKTIGE SIGNALER SKAL SENDES



Wind Turbine Twinax 2x20/7 AWG SF/UTP
LSZH-SHF2 MUD Resistant



Application

Offshore installations, Maritime Environment, RS-485, CAN Bus communication, Field bus on the process level, Industrial communication. SHF2 Compound complies to the requirements of NEK TS 606:2016 Category C MUD Resistance [Sheath Code M] and Category D Hydraulic/gear oil resistance [Sheath Code H/H-M].

Cable Design

Pair

Conductor 1 *	Stranded annealed tinned copper wire, 20awg (7x0.32 mm)
Conductor 2 *	Stranded annealed bare copper wire, 20awg (7x0.32 mm)
Insulation	Cellular PO Ø 2,20 mm nom.
Twisting	Two insulated conductors are cabled together with fillers

No. of Pairs

1

Identification

Natural

Overall Shield

Foil Screen	Aluminum/Polyester Foil
Braid	Annealed tinned copper wire braid, 85% coverage





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Inner Jacket	XL-HFFR
Diameter	Ø 6,50 mm nom.
Colour	Black
Outer Jacket	XL-HFFR SHF2 MUD Resistant
Thickness	1,20 mm nom.
Outer Diameter	Ø 9,0 mm nom.
Weight	110 kg/km

Performance

Impedance	100	Ohm
Max. DC Resistance	37	Ohm/km @ 20°C
Max. Resistance Unbalance	2	%
Attenuation	≤ 1,5	dB/100m @ 1 MHz
Mutual Capacitance - Core to Core	35	pF/m
Capacitance Unbalance	1,5	pF/m max.
Dielectric Strength	1000	V/minute
Dielectric Strength to Shield	1000	V/minute
Voltage Rating	300	V
Min. Bend Radius	6	x Ø (mm)
Max. Operating Temperature	+70	°C
Min. Operating Temperature	-35	°C
UV Resistance	Yes	
Mud Resistance	Yes	

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Standards

Applicable Standards	DNV-GL certified, IEC 60092-360, IEC 60092-350, IEC 60811-2-1, RoHS 3 2015/863/EU, NEK TS 606
Flamability Rating	IEC 60332-1, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2, UL 1581 VW-1