Instrumentation 10x3x1.5 mm ^{2} 250V OFS OBS LSZH-SHF2

Part Number: **8MG0466109**

Applications:	Offshore installations, Maritime Environment, Outdoor, Indoor
General Construction:	10 twisted triads are cabled together, overall foil shielded and SHF2 jacketed. An armor of tinned copper braid followed by an outer jacket completes the cable structure. The cable contains an additional pair reserved for communication. All materials are cross linked, low smoke & halogen free with excellent resistance to oil, fuel, chemicals and abrasion.
Outer Jacket Material:	XL-HFFR
Outer Diameter:	26.0 mm nom.
Weight:	1220 kg/km

Design & Materials

Conductor Material:	Annealed Tinned Copper
Conductor Cross Section:	1.5 mm²
Conductor Construction:	7x0.516 mm
Insulation Material:	XL-HFFR
Insulation O.D.:	2.8 mm nom.
Conductor unit identification:	Numbered
Conductor Color Code:	Black x White x Red
Communication Pair:	Orange x Blue
Binder:	Polyester
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Drain-wire Material:	Annealed Tinned Copper
Overall Drain-wire size:	18 AWG
Overall Drain-wire Construction:	Stranded
Inner Jacket Material:	XL-HFFR
Inner Jacket Thickness:	1.6 mm nom.
Armoring:	Braided Tinned Copper
Armoring Wire Diameter:	0.3 mm
Armor Coverage min.:	90 %
Total number of conductors:	30
Total number of conductor units:	10
Rip-Cord:	Yes
Outer Jacket Thickness:	1.3 mm nom.
Outer Jacket Color:	Gray
Marking:	Per request

Standards

Applicable Standards:	DNV-GL certified, ABS certified, IEC 60092-376, IEC 60092-359, IEC 60092-350, IEC 60092-351, IEC 60228, IEC 60811-2-1, RoHS-2 2011/65/EU
Flamability Rating:	IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2

Performance

Max. DC Resistance :	12.9 /km@20°C
Dielectric Strength:	2000 V/minute
Dielectric Strength to Shield:	1000 V/minute
Voltage Rating:	250 V
Min. Bend Radius:	Dx11 mm
Max. Operating Temperature:	+125 °C
Min. Operating Temperature:	-40 °C
UV resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Roee Ran	Ofer Solter	1.3	06-01-2015