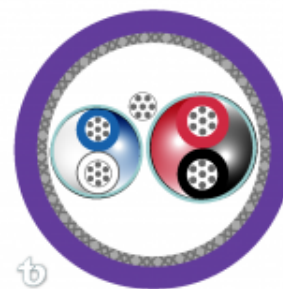


DeviceNet 2x24/19 AWG + 2x22/19 AWG S/FTP LSZH-SHF2

Part Number: **7MG0067xxx**

Applications:	Maritime Environment, DeviceNet Drop Lines, Trunk and drop lines of DeviceNet, Fixed or portable installations, Industrial communication, Data transmission, Harsh Environments
General Construction:	One 24 AWG aluminum-foil shielded data pair, one 22 AWG aluminum-foil shielded current power pair, cabled together with a drain-wire, overall braid shield and a jacket.
Outer Jacket Material:	XL-HFFR
Outer Diameter:	7.3 mm nom.
Weight:	80 kg/km



Design & Materials

Conductor Material:	Annealed Tinned Copper
Conductor Size:	24/22 AWG
Conductor Size:	19x0.16 (22 AWG)/ 19x0.127 (24 AWG) mm
Conductor Construction:	Stranded
Insulation Material:	PE
Insulation O.D.:	1.50 (22 AWG) 1.95 (24 AWG) mm nom.
Conductor Color Code:	Blue x White (24 AWG), Red x Black (22 AWG)
Ind. Shield Material:	Aluminum/Polyester Foil
Ind. Shield Design:	100% Coverage
Drain-wire 1 Material:	Annealed Tinned Copper
Drain-wire 1 Construction:	Stranded
Drain-wire 1 size:	22 AWG
Overall Shield Design:	Braid
Overall Shield Material:	Tinned-copper braid
Overall Braid Shield:	Yes
Overall Braid Material:	Annealed Tinned Copper
Braid Coverage:	85 % nom.
Total number of conductors:	4
Outer Jacket Thickness:	1.1 mm nom.
Outer Jacket Color:	See TELDOR Jacket Code
Marking:	Per request, Teldor Standard

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Standards

Applicable Standards:	DNV-GL certified, ABS 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

Impedance:	120
Max. DC Resistance :	22 AWG - 53.0 /km 24 AWG - 84.0 /km@20°C
Capacitance:	44 (data pair) pF/m
Velocity of Propagation:	66 % nom.
Dielectric Strength:	1500 V/minute
Dielectric Strength to Shield:	1000 V/minute
Min. Bend Radius:	50 mm
Max. Operating Temperature:	+75 °C
Min. Operating Temperature:	-40 °C
UV resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Ofer Solter	Jacob Ben Ary	1.2	24-02-2015

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