

ProfiBus DP 2X22/19 AWG SF/UTP LSZH-SHF2

Part Number: **7MG0008108**

Applications: Offshore installations, Maritime Environment, Indoor/outdoor installation, Ships, High speed & Light craft, Data transmission, Profibus DP industrial communication, Profibus PA industrial communication, Harsh Environments, Profibus LAN, RS-485

General Construction: The cable contains one twisted pair, fillers, overall aluminum foil and tinned-copper braid shields and jacket .

Outer Jacket Material: XL-HFFR

Outer Diameter: 8.4 mm nom.

Weight: 91 kg/km



Design & Materials

Conductor Material:	Annealed Tinned Copper
Conductor Size:	22 AWG
Conductor Size:	19x0.16 mm
Conductor Construction:	Stranded
Insulation Material:	Cellular PO
Insulation O.D.:	2.6 mm nom.
Conductor Color Code:	Green X Red
Overall Shield Design:	100% Coverage
Overall Shield Material:	Aluminum/Polyester Foil
Overall Foil Shield:	Yes
Overall Braid Shield:	Yes
Overall Braid Material:	Annealed Tinned Copper
Braid Coverage:	85 % nom.
Total number of conductors:	2
Outer Jacket Thickness:	1.3 mm nom.
Outer Jacket Color:	Purple
Marking:	Per request, Teldor Standard

Standards

Applicable Standards:	DNV-GL certified, ABS certified, LLOYDS certified, RMRS certified, IEC 60092-360, IEC 60811-2-1, RoHS 3 2015/863/EU
Flammability Rating:	IEC 60332, IEC 60332-1, IEC 60332-3-22, IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2

Electrical Properties:

Cable transmission characteristics are suitable for DP applications as well as some PA applications. Voltage rate is 300 V, however the cable is not intended to be used for mains power supply, it may be used in 300 V electrical cabinets, switchgear and alike.

Performance

Impedance:	150 Ω
Max. DC Resistance :	55.0 Ω /km@20°C
Attenuation:	42 dB/Km max. @ 16.0 MHz
Capacitance:	28.0 pF/m
Capacitance Unbalance:	1.3 pF/m max.
Voltage Rating:	300 V
Min. Bend Radius:	60 mm
Max. Operating Temperature:	+90 °C
Min. Operating Temperature:	-40 °C
UV Resistance:	Yes

Prepared By	Revised By	Version Num	Modified on
Jacob Ben Ary	Ofer Solter	1.20	16-03-2021

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