

CanBus 2x2x0.75 mm² SF/UTP LSZH-SHF1

INDUSTRIAL ETHERNET & BUS

P/N 7MG0325108

INDUSTRY

Applications

Outdoor and direct burial installations, Outdoor installations, Indoor/Outdoor use, fixed installations, Fixed or portable installations, Data processing and information systems, Outdoor installations in harsh environments



Outer Jacket Material
FR-LSZH



Outer diameter
13.3 mm nom.



Weight
175 kg/km



General Construction

Two twisted pairs are cabled together with filler members, overall double shielded and jacketed.

Design & Materials

Detailed Construction

Conductor Material	Annealed Tinned Copper
Conductor Cross Section (mm ²)	0.75
Conductor Construction	16x0.25 mm
Insulation Material	PO
Insulation O.D. (mm nom)	3.05
Conductor Color Code	Red X Blue, Green X Brown
Overall Shield Design	Aluminum Foil + Braid
Overall Foil Shield	Yes
Overall Braid Shield	Yes
Overall Braid Material	Annealed Tinned Copper
Braid Coverage (% nom)	75
Total Number Of Conductors	4
Outer Jacket Thickness (mm nom)	1.1
Outer Jacket Color	Purple
Other Jacket Colors Available	Yes
Marking	Teldor Standard Per request

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Performance

Impedance (Ω)	120
Transfer Impedance Grade	Grade 1
Coupling Attenuation	Type I
Max. DC Resistance (Ω/km@20°C)	26
Max. Resistance Unbalance (%)	2
Capacitance (pF/m)	38
Velocity of Propagation (% nom)	75
Dielectric Strength (V/minute)	1000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	300 (*)
Min. Bend Radius (mm)	90
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+80
UV Resistance	Yes

Standards

Flammability Rating
 IEC 60332-1
 IEC 60332-3-22
 IEC 60754-1/2
 IEC 61034-1/2
 UL 1581 VW-1

Applicable Standards
 DNV certified
 ABS certified
 LLOYDS certified
 RMRS certified
 IEC 60092-360
 RoHS 3 2015/863/EU



Electrical Properties

Frequency [MHz]	Attenuation [db/100m]
0.1	0.4
1	1
5	2.6
10	3.8
20	5.5

Voltage rate is 300 V, however the cable is not intended to be used for mains power supply

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