

# CanBus 2x2x0.5 mm<sup>2</sup> S/FP LSZH-SHF1

## INDUSTRIAL ETHERNET & BUS

### P/N 7MG0383108

#### 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  
8.4 mm nom.



Weight  
90 kg/km



### General Construction

Two individually shielded pairs are cabled together, overall braid shielded and jacketed.

### Design & Materials

Conductor Material	Annealed Tinned Copper
Conductor Size (AWG)	20
Conductor Cross Section (mm <sup>2</sup> )	0.50
Conductor Construction	19x0.20 mm
Insulation Material	Cellular PO
Insulation O.D. (mm nom)	2.5
Conductor Color Code	White X Brown, Yellow X Green
Ind. Shield Material	Aluminum/Polyester Foil
Ind. Shield Design	100% Coverage
Overall Shield Design	Braid
Overall Braid Material	Annealed Tinned Copper
Braid Coverage (% nom)	85
Total Number Of Conductors	4
Outer Jacket Color	Purple
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)	35
Max. Resistance Unbalance (%)	2
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)	6xD
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+85
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 60092-350  
 IEC 60092-359  
 IEC 60092-360  
 RoHS 3 2015/863/EU



#### Electrical Properties

Frequency [MHz]	Attenuation [db/100m]
0.1	0.3
1	1.1
5	2.8
10	3.9
20	5.7

\* Screening attenuation (Screening efficiency): 70dB

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

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