

RS-485/422/232 2x2x24/7 AWG SF/UTP FR-LSZH INDUSTRIAL ETHERNET & BUS P/N 9392502105

INDUSTRY

Applications

Industrial communication, CAN Bus communication, RS-485, RS-422, Fixed or portable installations, RS-232



Outer Jacket Material
FR-LSZH



Outer diameter
7.3 mm nom.



Weight
59 kg/km



General Construction

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

Design & Materials

Conductor Material	Annealed Tinned Copper
Conductor Size (AWG)	24
Conductor Construction	7x0.20 mm
Insulation Material	PO
Conductor Color Code	Blue x White/Blue, Orange x White/Orange
Overall Shield Design	Aluminum face outwards
Overall Shield Material	Aluminum/Polyester Foil
Overall Foil Shield	Yes
Overall Braid Shield	Yes
Overall Braid Material	Annealed Tinned Copper
Braid Coverage (% nom)	90
Total Number Of Conductors	4
Outer Jacket Color	Yellow
Marking	Teldor Standard Per request

Electrical Properties

Cable comply with Can Bus transmission requirements

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Performance

Impedance (Ω)	120
Max. DC Resistance (Ω /km@20°C)	95.0
Attenuation	21.3 dB/Km max. @ 1 MHz 72.2 dB/Km max. @ 10 MHz 102.0 dB/Km max. @ 20 MHz
Capacitance (pF/m)	42
Velocity of Propagation (% nom)	66
Dielectric Strength (V/minute)	1000
Dielectric Strength to Shield (V/minute)	700
Min. Bend Radius (mm)	55
Min. Operating Temperature (°C)	-35
Max. Operating Temperature (°C)	+70

Standards

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

Applicable Standards
RoHS 3 2015/863/EU



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Version 1.2 | Last update: 2019-10-07