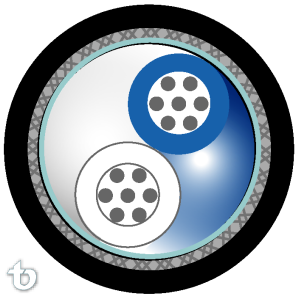
RS 485 120 Ω 1x2x24 AWG S/FTP
INDUSTRIAL ETHERNET & BUS
P/N 90V1PV2101

INDUSTRY

Applications

High bandwidth digital applications with low BER, Indoor use, fixed or portable installations, Work area cabling, Low-frequency data applications



Outer Jacket Material	Outer diameter	Weight
FR-PVC	5.0 mm nom.	29 kg/km

General Construction

The cable contains one twisted pair (TP) double shielded with a polyester/aluminum foil and TC braid and jacketed.

Design & Materials

Conductor Material	Annealed Tinned Copper
Conductor Size (AWG)	24
Conductor Construction	7x0.20 mm
Insulation Material	PO
Insulation O.D. (mm nom)	1.4
Conductor Color Code	White x Blue
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Braid Shield	Yes
Braid Coverage (% nom)	60
Outer Jacket Thickness (mm nom)	0.7
Outer Jacket Color	Black
Marking	Per request

Electrical Properties

120 Ω suitable for RS-485 applications.

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INDUSTRY

Performance

Impedance (Ω)	120
Coupling Attenuation	Type II
Max. DC Resistance (Ω/km@20°C)	92.0
Attenuation	2.6 @ 1 MHz, 5 @ 4 MHz, 7.9 @ 10 MHZ [dB/100m]
Capacitance (pF/m)	45
Velocity of Propagation (% nom)	75
Dielectric Strength (V/minute)	700
Dielectric Strength to Shield (V/minute)	700
Voltage Rating (V)	30
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+70
UV Resistance	Yes

Standards

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