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CONTACT

Market information
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Interconnecting fieldbus cables for dynamic application

STANDARDS

Product UL and CSA approval

APPLICATIONS

Interconnecting fieldbus cable for dynamic application
BUS cables to connect Controller Area Network components

Standards

CAN standard and customers requirements

Core Identification

White brown + Yellow/Green



Operating temp.
-20 ... 80 °C



Storage temperature, range
-30 ... 80 °C



Oil resistance
EN 50363-10-2



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS

Construction characteristics

Construction type	(2x2x0.34)C
Conductor material	Bare copper
Insulation	Foam-skin
Insulation colour	White-Brown + Green-Yellow
Taping	Polyester
Shielding	≥85% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Violet RAL 4001

Dimensional characteristics

Nominal outer diameter	7.6 mm
Copper content	47 kg/km
Approximate weight	68 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	300 V
Test voltage	1500 V
Characteristic impedance	120 Ohm

Transmission characteristics

Attenuation at 1 MHz	1.3 dB/100m
Attenuation at 5 MHz	3.1 dB/100m
Attenuation at 10 MHz	4.3 dB/100m
Attenuation at 20 MHz	6.4 dB/100m

Mechanical characteristics

Maximum acceleration	20 m/s ²
Speed	240 m/min
Bending cycles	5 Mio.

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-20 ... 80 °C
Storage temperature, range	-30 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1