

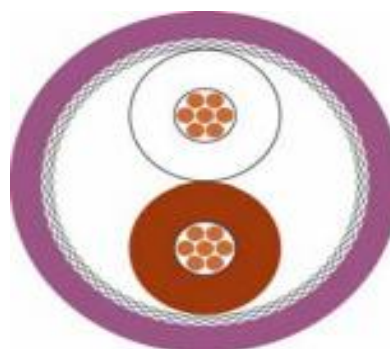
Product Specifications



Can-Bus PVC twisted pair cable 2/4 core fixed wiring

Standards

CAN Bus acc. to ISO 11898-2 CAN Bus
acc. to ISO 11898-2 Flame-retardant acc.
IEC 60332-2-1.



Description

CAN Bus are field bus cables that conform to international CAN standard ISO-11898, CAN Bus (Control Area Network) is a non addressable system which treats all devices as equal allowing fast transmission of data.

Due to its robust nature it has been widely adopted in the automotive industry. Several versions of CAN Bus cables have been developed to meet the fast changing needs of the automation industry.

The PVC jacket version is designed for stationary applications, while the Halogen free PUR version is for highly flexing application.

Applications

CAN Bus for fixed installation and occasional motion, for normal requirements. The 2-pair version is designed with star-quad twisting, i.e. diagonal conductors form an electrical pair and meets the requirements of the CAN Standard. For cable lengths up to max. 40m (observe CAN specifications).

Product Specifications

Type Cable structure	Fixed installation, indoor 1x2x0.22 mm ² (stranded)	Fixed installation, indoor 2x2x0.22 mm ² (stranded)
Inner conductor diameter	Copper, bare (AWG 24/7)	Copper, bare (AWG 24/7)
Core insulation	Cell PE	Cell PE
Core colours	wh/ bn	wh/bn, gn/ye
Stranding element:	Double core	2 cores + 2 fillers stranded together
Separator:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Shielding 1	-	-
Total shielding:	Cu braid, tinned	Cu braid, tinned
Outer sheath material	PVC	PVC
Cable external diameter:	app . 5,4 mm ± 0,2 mm	app . 7,5 mm ± 0,3 mm
Outer sheath colour:	Violet similar to RAL 4001	Violet similar to RAL 4001

Electrical data

Electrical data	Fixed installation, indoor 1x2x0.22 mm ² (stranded)	Fixed installation, indoor 2x2x0.22mm ² (stranded)
Characteristic impedance	120 Ohm ± 10 %	120 Ohm ± 10 %
Conductor resistance, max	88 Ohm/km	87.6 Ohm/km
Insulation resistance, min	1 GOhm x km	5 GOhm x km
Loop resistance	175,2 Ohm/km max .	175.2 Ohm/km max .
Mutual capacitance	58 nF/km nom .	40 nF/km nom .
Nominal voltage	30 V	30 V
Test voltage	1,5 kV	1,5 kV

Product Specifications



Technical data

Technical data	Fixed installation, indoor 1x2x0.22 mm ² (stranded)	Fixed installation, indoor 2x2x0.22mm ² (stranded)
Weight	app . 41 kg/km	app . 60 kg/km
bending radius, repeated	81 mm	113 mm
Operating temperature range min .	-40 °C	-25 °C
Operating temperature range max	+70 °C	+70 °C
Caloric load, approx . value	0,574 MJ/m	1,13 MJ/m
Copper weight	17,00 kg/km	32,00 kg/km