

BO-CAN BUS HIGH-FLEX PUR

CAN Open cables for dynamic installation

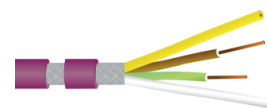


Image for illustration only

Conductor:	Stranded bare copper complying with CEI EN 60228
Insulation: Colour Code:	Foam skin PE Core colours according DIN 47100
Screen:	Tinned copper wire braid having coverage 85%
Outer Sheath:	PUR according to UL1581 and C22.2 n°210. Colour violet RAL 4001
Technical Data & Standard References	Product features: Flame retardant: Horizontal flame test per UL758, FT2 test acc. to CSA C.22.2 n°210 Halogen gas emission: ≤ 0,5% IEC 60754, CEI EN 50267-2 Industrial oil resistance: EN 50363-10-2 U.V. resistance: Yes Water absorption: EN 50363-10-2
	Norm references / Approvals: Reference Standards: ISO 11898 EIA RS485 DESINA Approved UL/CSA Approved: AWM Style 20978 300V/80°C.
Electrical & Mechanical Data	Operating temperature: Fixed application -40 to 80 °C Dynamic installation -30 to 70 °C Minimum bending radius: Fixed application 7,5 x D Dynamic appl. into chain 12 x D Max traslation speed: 3,0 m/sec (subject to correct installation) Max acceleration: 3 m/s ² (subject to correct installation) Torsion use: Not recommended Electrical and transmission properties at 20°C Max operating voltage: 300 V Test voltage: 1500 V Max DC conductor resistance: 87,6 Ω/km (AWG24) 55,4 Ω/km (AWG22) 34,6 Ω/km (AWG20)

	26 Ω/km (AWG19) Capacitance core/core (nom): ≤ 50 pF/m (data pair) at 800 Hz Characteristic impedance: 120 Ω (±15%) 1 to 20 MHz Min. insulation resistance: 5,0 GΩ x km Transfer impedance TRUNK: 10 mΩ/m at 100 kHz 10 mΩ/m at 1 MHz 5 mΩ/m at 10 MHz 10 mΩ/m at 30 MHz 30 mΩ/m at 100 MHz Maximum length for each segment: 0 to 40 m 1 Mbit/s 40 to 300 m 500 kbit/s 300 to 600 m 100 kbit/s 600 to 1000 m 50 kbit/s (0,25 ÷ 0,34 mm²) (0,34 ÷ 0,50 mm²) (0,50 mm²) ((0,75 mm²)
--	--

Application:

The CAN (Control Area Network) and CAN Open cables refer to the series of ISO 11898 standards, which should be consulted for further details when choosing components. The types included here are representative of a broader range: for instance, the cables are available in different cross-sections depending on data flow and length of the route, with various sheaths, for fixed or mobile installation, etc.

Botec P/N	assembly	outer diameter [mm ± 10%]	Cu mass [Kg/km]	cable mass [Kg/km]
	2x0,25/AWG24	6,5	24	55
	2x2x0,25/AWG24	6,8	29	58
	2x0,34/AWG22	6,9	21	60
	2x2x0,34/AWG 22	8,3	32	79
	2x0,50/AWG20	7,9	29	78
	2x2x0,50/AWG20	10,8	59	130
	2x0,75/AWG19	8,2	34	82