

BO-INTERBUS DP HIGH-FLEX PUR

Cables for dynamic installation (INTERBUS Remote Bus, 2-wire)

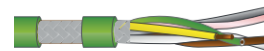


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Conductor:	Stranded bare copper 0,25 mm ² (AWG24) complying with CEI EN 60228
Insulation:	Solid PE
Colour Code:	Core colours according DIN 47100
Screen:	Tinned copper wire braid having coverage 85%
Outer Sheath:	PUR according to UL1581 and C22.2 n°210. Colour green RAL6017
Technical Data & Standard References	Product features: Torsion use: Not recommended 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: IEC 61158 EN 50170-2 DIN 19245 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 6 x D Dynamic appl. into chain 12 x D Max traslation speed: 3,0 m/sec (subject to correct installation) Max acceleration: 3,0 m/sec (subject to correct installation) Electrical and transmission properties at 20°C

Max operating voltage: 300 V
Test voltage: 1500 V
Max DC conductor resistance: 59,4 Ω /km
Capacitance core/core (nom): 30 pF/m
Characteristic impedance: 150 Ω ($\pm 10\%$) 1-20 MHz
Propagation velocity (approx): 78%
Attenuation:
max 0,3 dB/100m at 9,6 kHz
max 0,4 dB/100m at 38,4 kHz
max 0,5 dB/100m at 200 kHz
max 2,1 dB/100m at 4 MHz
max 4,0 dB/100m at 16 MHz
max 4,4 dB/100m at 20 MHz
Min. insulation resistance: 5,0 G Ω x km
Transfer impedance:
7 m Ω /m at 100 kHz
3 m Ω /m at 1 MHz
0,6 m Ω /m at 10 MHz
2 m Ω /m at 30 MHz
8 m Ω /m at 100 MHz

Application:

The INTERBUS cable for mobile installation with PUR sheath is used in dynamic connection systems in drag chain where the EIA RS 485 standard is required.

Botec P/N	assembly	outer diameter [mm $\pm$ 10%]	Cu mass [Kg/km]	cable mass [Kg/km]
	3x2x0,25 mm ² /AWG24	7,7	34	68