



CONTACT

Market information
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INTERBUS PUR CABLE

Interbus cables with PUR jacket for dynamic application, shielded, oil resistant, flame retardant

STANDARDS

Product UL and CSA approval

Applications

Interbus cables connect sensors and actors with all standard equipment in automation. Our product range fulfill the special requirement of:

- Standard for fix installation or few bending
- For use in chain
- HFFR (Halogen Free & Flame Retardant)
- Direct burial
- Food industry
- Marine and submarine
- Railway systems

Standards According to Interbus requirements



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**

Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	DIN 47100
Material of filler / inner sheath	Thermoplastic material
Taping	Non woven tape
Shielding	≥85% tinned copper braid coverage
Separator	Non woven tape
Outer sheath	PUR
Sheath colour	Violet RAL 4001

Dimensional characteristics

Copper content	27 kg/km
Approximate weight	62 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	30 V
Test voltage	1500 V
Characteristic impedance	100 Ohm

Transmission characteristics

Attenuation at 256 kHz	1.5 dB/100m
Attenuation at 722 kHz	2.4 dB/100m
Attenuation at 1 Mhz	2.7 dB/100m
Attenuation at 4 MHz	5.2 dB/100m
Attenuation at 10 MHz	8.4 dB/100m
Attenuation at 16 MHz	11.2 dB/100m
Attenuation at 20 MHz	11.9 dB/100m
Near End Cross Talk @ 722 kHz	61 dB/100m
Near End Cross Talk @ 1 MHz	59 dB/100m
Near End Cross Talk @ 2 MHz	55 dB/100m
Near End Cross Talk @ 4 MHz	50 dB/100m
Near End Cross Talk @ 8 MHz	46 dB/100m
Near End Cross Talk @ 10 MHz	44 dB/100m
Near End Cross Talk @ 16 MHz	41 dB/100m
Near End Cross Talk @ 20 MHz	40 dB/100m
Nominal Velocity of Propagation (NVP)	66 %

Mechanical characteristics

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



Usage characteristics



Minimum dynamic operating bending radius	10 (xD)
Field of application	Dynamic
Operating temperature, range	-20 ... 80 °C
Storage temperature, range	-30 ... 80 °C

Usage characteristics

Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]
 10552889	13-DRX23P03P	INTERBUS PUR (3x2x0.25)C	(3x2x0.25)C	8
 13-DRX23P02P	13-DRX23P02P	INTERBUS PUR (2x2x0.25)C	(2x2x0.25)C	7

 = Make to order,  = In stock,