



### 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 <sub>0</sub> /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 <sup>2</sup>
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,