



Databus cables for extrem torsion applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

DataBUS cables for extrem torsion applications; PUR jacket, TPM insulation, screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

**Reference:** 44482189

### CONTACT

Market information  
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Halogen free  
**Yes**



Operating temp.  
 -30 ... 80 °C



Storage temperature, range  
 -40 ... 80 °C



Flame retardant  
 IEC 60332-1-2; UL 1581 FT1



Oil resistance  
 DIN EN 50363-10-2 & DIN EN 60811-404

## CHARACTERISTICS

### Construction characteristics

Construction type	(1x2x0,3)StD - Profibus
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Insulation colour	Please request detailed data sheet
Lay Up	Please request detailed data sheet
Shielding	Please request detailed data sheet
Outer sheath	PUR
Sheath colour	Violet RAL 4001
Halogen free	Yes

### Dimensional characteristics

Outer Diameter	8.2 mm
Copper content	24 kg/km
Approximate weight	70 kg/km

### Electrical characteristics

Rated Voltage U <sub>o</sub> /U	30 V
Test voltage	2000 V

### Mechanical characteristics

<b>Torsion test max. +/- 4 turns for 10 meters</b>	180°/m
Bending cycles	5 Mio.
Speed	180° / s

### Usage characteristics

Field of application	Dynamic
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404