



Measuring systems cables for extremely dynamic applications. MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

For extremely dynamic applications; PUR Jacket, screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

**Reference:** 49492871

**Country Ref.:** 6FX8008-1BD51

### 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	(3x(2x0,14)C+2x0,5+4x0,14+4x0,22)C
Conductor material	Bending-resistant conductor with tinned copper wires
Insulation	TPM with very low capacitance
Insulation colour	See Tab
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Green RAL 6018
Halogen free	Yes

**Dimensional characteristics**

Outer Diameter	10 mm
Copper content	78 kg/km
Approximate weight	123 kg/km

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	30 V
Test voltage	300 V

**Mechanical characteristics**

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s <sup>2</sup>

**Usage characteristics**

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
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