



**Reference:** 49315160

#### CONTACT

Market information  
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Measuring systems cables for dynamic applications. MOTIONLINE® STANDARD

#### STANDARDS

**Product** UL and CSA approval

For dynamic applications; PVC Jacket, screened, resistant to oils and coolants, flame retardant.



Operating temp.  
-15 ... 80 °C



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



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



Oil resistance  
EN 50363-4-1

**CHARACTERISTICS****Construction characteristics**

Construction type	(4x2x0.25+2x0.5)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 ≥ 80%
Outer sheath	PVC
Sheath colour	Orange RAL 2003

**Dimensional characteristics**

Copper content	47 kg/km
Approximate weight	88 kg/km
Outer Diameter	8.2 mm

**Electrical characteristics**

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

**Mechanical characteristics**

Bending cycles	1 Mio.
Speed	120 m/min
Maximum acceleration	2 m/s <sup>2</sup>

**Usage characteristics**

Field of application	Dynamic
Minimum dynamic operating bending radius	15 (xD)
Operating temperature, range	-15 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	EN 50363-4-1