



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.

### CONTACT

Market information  
[industryprojects.business@lynxgroup.com](mailto:industryprojects.business@lynxgroup.com)



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

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

### 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

## PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Copper content [kg/km]	Approximate weight [kg/km]
☎ 49314960	-	MEASURING SYSTEM CABLES BOSCH REXROTH® PVC - IN 532	(4x2x0,14+4x1,0+(4x0,14)C)C	85	125
☎ 49315160	-	MEASURING SYSTEM CABLES BOSCH REXROTH® - PVC IN 448	(4x2x0.25+2x0.5)C	47	88

☎ = Make to order, 📦 = In stock,