



Measuring systems cables for very dynamic applications. MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

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

### CONTACT

Market information  
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Halogen free  
**Yes**



Operating temp.  
 -15 ... 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

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	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

## Electrical characteristics

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

## Mechanical characteristics

Bending cycles	10 Mio.
Speed	180 m/min
Maximum acceleration	20 m/s <sup>2</sup>

## Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 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

## PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 49387060	IN 209	MEASURING SYSTEM CABLES BOSCH REXROTH® IN 209	(4x2x0.25+2x1)C	8.1	59
☎ 49389060	IN 448	MEASURING SYSTEM CABLES BOSCH REXROTH® IN 448	(4x2x0.25+2x0.5)C	8.2	50
☎ 49389260	IN 532	MEASURING SYSTEM CABLES BOSCH REXROTH® IN 532	(4x2x0,14+4x1,0+(4x0,14)C)C	9.1	88
☎ 49389960	IN 280	MEASURING SYSTEM CABLES BOSCH REXROTH® IN 280	(3x0,25+3x(2x0,25)+2x1,0)C	9.3	87
☎ 49387760	IN 750	MEASURING SYSTEM CABLES BOSCH REXROTH® IN 750	(2x2x0,25+2x0,5)C	7.8	40
☎ 49386960	IN 208	MEASURING SYSTEM CABLES BOSCH REXROTH® IN 208	(9x0.5)C	8.9	68

☎ = Make to order, 📦 = In stock,