



Measuring systems cables for very dynamic applications. MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

For very dynamic applications; PUR Jacket, shielded, 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  
 EN 50363-10-2

## CHARACTERISTICS

### Construction characteristics

Construction type	(1x(4x0,14)+4x0,34)C
Conductor material	Tinned copper
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

Copper content	35 kg/km
Approximate weight	72 kg/km
Outer Diameter	7.3 mm

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	30 V
Test voltage	1500 V


### Mechanical characteristics



Bending cycles	5 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	EN 50363-10-2

## PRODUCT LIST

Reference	Country Ref.	Name
 49498270	-	MEASURING SYSTEM CABLES HEIDNEHAIN® (1x(4x0,14)+4x0,34)C

 = Make to order,  = In stock,