



Measuring system cables for extremely dynamic applications. MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

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

Reference: 49326671

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	(5x2x0,25)C
Conductor material	Bending-resistant conductor with tinned copper wires
Insulation	TPM with very low capacitance
Insulation colour	See Tab
Inner sheath	TPE compound, optimized for drag chain use
Screen	Tinned copper braid, coverage ≥ 80%
Outer sheath	PUR
Sheath colour	Green RAL 6018
Halogen free	Yes

Dimensional characteristics

Copper content	53 kg/km
Approximate weight	114 kg/km
Outer Diameter	9.8 mm

Electrical characteristics

Rated Voltage U ₀ /U	30 V
Test voltage	300 V

Mechanical characteristics

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

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