



Single core power cables for extremely dynamic applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

Single core power cables for extremely dynamic applications; PUR jacket, TPM insulation, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

**Reference:** 49346717

### CONTACT

Market information  
industryprojects.business@lynxgroup.com



Halogen free  
Yes



Operating temp.  
-30 ... 80 °C



Storage temperature, range  
-50 ... 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	1x6
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Insulation colour	Yellow/Green
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

**Dimensional characteristics**

Copper content	58 kg/km
Approximate weight	92 kg/km
Outer Diameter	7.4 mm

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V

**Mechanical characteristics**

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

**Usage characteristics**

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-50 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404