



Single core power cables for extreme torsion applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

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

### CONTACT

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



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

Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Outer sheath	PUR
Sheath colour	Black - RAL 9005
Halogen free	Yes

## Electrical characteristics

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

## Mechanical characteristics

<b>Torsion test max. +/- 4 turns for 10 meters</b>	180°/m
Bending cycles	5 Mio.
Speed	180° / s

## Usage characteristics

Field of application	Dynamic
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

## PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 49260410	-	SINGLE CORE POWER CABLES FOR ROBOT APPLICATION 1x25	1x25	10.3	240
☎ 49260510	-	SINGLE CORE POWER CABLES FOR ROBOT APPLICATION 1x35	1x35	11.8	336

☎ = Make to order, 📦 = In stock,