



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.

CONTACT

Market information
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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

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

Electrical characteristics

Rated Voltage U ₀ /U	0.6/1 kV
Test voltage	4000 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	-50 ... 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	Copper content [kg/km]	Approximate weight [kg/km]
☎ 49346717	-	SINGLE CORE POWER CABLES - GREEN/YELLOW 1x6	1x6	58	92
☎ 49346817	-	SINGLE CORE POWER CABLES - GREEN/YELLOW 1x10	1x10	96	134
☎ 49346917	-	SINGLE CORE POWER CABLES - GREEN/YELLOW 1x16	1x16	154	195
☎ 49347017	-	SINGLE CORE POWER CABLES - GREEN/YELLOW 1x25	1x25	240	291
☎ 49347117	-	SINGLE CORE POWER CABLES - GREEN/YELLOW 1x35	1x35	340	394

☎ = Make to order, 📦 = In stock,