



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, screened, 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
Screen	Tinned copper braid, coverage ≥ 80%
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	10 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]
☎ 49363960	-	SINGLE CORE POWER CABLES (1x4)C	(1x4)C	56	92
☎ 49364060	-	SINGLE CORE POWER CABLES (1x6)C	(1x6)C	77	115
☎ 49364260	-	SINGLE CORE POWER CABLES (1x10)C	(1x10)C	117	163
☎ 49364360	-	SINGLE CORE POWER CABLES (1x16)C	(1x16)C	185	232
☎ 49364460	-	SINGLE CORE POWER CABLES (1x25)C	(1x25)C	280	328
☎ 49364560	-	SINGLE CORE POWER CABLES (1x35)C	(1x35)C	383	436
☎ 49364660	-	SINGLE CORE POWER CABLES (1x50)C	(1x50)C	541	605
☎ 49364760	-	SINGLE CORE POWER CABLES (1x70)C	(1x70)C	770	839

☎ = Make to order, 📦 = In stock,

Reference	Country Ref.	Name	Construction type	Copper content [kg/km]	Approximate weight [kg/km]
☎ 49364860	-	SINGLE CORE POWER CABLES (1x95)C	(1x95)C	1020	1096
☎ 49364160	-	SINGLE CORE POWER CABLES (1x120)C	(1x120)C	1246	1331
☎ 49364960	-	SINGLE CORE POWER CABLES (1x150)C	(1x150)C	1450	1578
☎ 49365060	-	SINGLE CORE POWER CABLES (1x185)C	(1x185)C	2040	2166
☎ 49365160	-	SINGLE CORE POWER CABLES (1x240)C	(1x240)C	2621	2791

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