



Single core power cables for extremely dynamic applications MOTIONLINE® ADVANCED

STANDARDS

Product UL and CSA approval

MOTIONLINE® Power supply single core cables for dynamic applications with PVC Jacket, unshielded, resistant to oils, flame retardant.

DESIGN

Conductor

Stranded bare copper

Core insulation

PVC

Black or green-yellow

Jacket

PVC

Black

CONTACT

Market information
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Halogen free
Yes



Operating temp.
 -30 ... 80 °C



Storage temperature, range
 -30 ... 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
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	180 m/min
Maximum acceleration	10 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-30 ... 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]
☎ 10553184	-	SINGLE CORE POWER CABLES 1x6	1x6	58	110
☎ 49346810	-	SINGLE CORE POWER CABLES 1x10	1x10	97	166
☎ 49346910	-	SINGLE CORE POWER CABLES 1x16	1x16	154	256
☎ 49347010	-	SINGLE CORE POWER CABLES 1x25	1x25	240	362
☎ 49348910	-	SINGLE CORE POWER CABLES 1x35	1x35	340	466
☎ 49349010	-	SINGLE CORE POWER CABLES 1x50	1x50	490	686
☎ 10553191	-	SINGLE CORE POWER CABLES 1x70	1x70	690	950
☎ 49349210	-	SINGLE CORE POWER CABLES 1x95	1x95	915	1276
☎	-	SINGLE CORE POWER CABLES 1x120	1x120	1152	1553

☎ = Make to order, 📦 = In stock,

Reference	Country Ref.	Name	Construction type	Copper content [kg/km]	Approximate weight [kg/km]
☎	-	SINGLE CORE POWER CABLES 1x150	1x150	1460	1670
☎	-	SINGLE CORE POWER CABLES 1x185	1x185	1800	2100

☎ = Make to order, 📦 = In stock,