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Market information
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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



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**

Construction type	1x185
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Outer sheath	PUR
Sheath colour	Black
Halogen free	Yes

Dimensional characteristics

Copper content	1800 kg/km
Approximate weight	2100 kg/km
Outer Diameter	26.6 mm

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