



Reference: 49348910

### CONTACT

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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	1x35
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	340 kg/km
Approximate weight	466 kg/km
Outer Diameter	12.5 mm

**Electrical characteristics**

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

**Mechanical characteristics**

Bending cycles	5 Mio.
Speed	180 m/min
Maximum acceleration	10 m/s <sup>2</sup>

**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