



Reference: 44487611

### CONTACT

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Home run cables for very dynamic applications MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

Home run cables for very dynamic applications; PUR Jacket; resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.



Halogen free  
Yes



Operating temp.  
-15 ... 80 °C



Storage temperature, range  
-40 ... 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	12x0,34+3x1,0
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	cores stranded with filler
Insulation colour	See Tab
Outer sheath	PUR
Sheath colour	Black - RAL 9005
Halogen free	Yes

**Dimensional characteristics**

Outer Diameter	10.2 mm
Copper content	72 kg/km
Approximate weight	120 kg/km

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	300 V
Test voltage	2000 V

**Mechanical characteristics**

Bending cycles	5 Mio.
Speed	180 m/min
Maximum acceleration	20 m/s <sup>2</sup>

**Usage characteristics**

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404