



Home run cables for extremely dynamic applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

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

**Reference:** 44401610

### 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

Construction type	16x0,5+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

Copper content	107 kg/km
Approximate weight	164 kg/km
Outer Diameter	11.3 mm

#### Electrical characteristics

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

#### Mechanical characteristics

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s <sup>2</sup>

#### 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