



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:** 44401310

### 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  | 8x0,34+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**

|                    |           |
|--------------------|-----------|
| Copper content     | 60 kg/km  |
| Approximate weight | 110 kg/km |
| Outer Diameter     | 9.2 mm    |

**Electrical characteristics**

|                                 |        |
|---------------------------------|--------|
| Rated Voltage U <sub>o</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 |