



For advanced dynamic applications MOTIONLINE® ADVANCED

**STANDARDS**

**Product** UL and CSA approval

For advanced dynamic applications; screened cables; PUR sheath, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC and halogen free, Industry 4.0 ready.

**Reference:** 44499079

**CONTACT**

Market information  
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Operating temp.  
 -15 ... 80 °C



Storage temperature, range  
 -40 ... 80 °C



Flame retardant  
 IEC/EN 60332-1-2; FT1; UL 1581 FT1



Oil resistance  
 DIN EN 50363-10-2 & DIN EN 60811-404

## CHARACTERISTICS

### Construction characteristics

Construction type	(1x4xAWG22/7)C+4x1,5
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	Polyolefin
Lay Up	Star Quad and power cores stranded with fillers
Insulation colour	White, Orange, Blue, Yellow
Inner sheath	Halogen free polymer compound
Taping	Plastic aluminium tape
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Green RAL 6018

### Dimensional characteristics

Outer Diameter	10.6 mm
Copper content	76 kg/km
Approximate weight	135 kg/km

### Electrical characteristics

Rated Voltage U <sub>o</sub> /U	30 V
Test voltage	500 V
Characteristic impedance	100 Ohm

### 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/EN 60332-1-2; FT1; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404