



For dynamic applications MOTIONLINE® STANDARD

### STANDARDS

**Product** UL and CSA approval

For standard dynamic application, screened cables, PVC sheath, resistant to oils and coolants, flame retardant, Industry 4.0 ready.

**Reference:** 44497879

### CONTACT

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



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



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



Oil resistance  
EN 50363-4-1

**CHARACTERISTICS****Construction characteristics**

Construction type	(1x4xAWG22/7)C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	Polyolefin
Lay Up	Star quad, stranded
Insulation colour	White, Orange, Blue, Yellow
Inner sheath	Halogen free polymer compound
Taping	Plastic aluminium tape
Screen	Tinned copper braid, coverage ≥ 80%
Outer sheath	PVC
Sheath colour	Green RAL 6018

**Dimensional characteristics**

Outer Diameter	6.9 mm
Copper content	22 kg/km
Approximate weight	67 kg/km

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	30 V
Test voltage	500 V
Characteristic impedance	100 Ohm

**Mechanical characteristics**

Bending cycles	1 Mio.
Speed	120 m/min
Maximum acceleration	2 m/s <sup>2</sup>

**Usage characteristics**

Field of application	Dynamic
Minimum dynamic operating bending radius	15 (xD)
Operating temperature, range	-15 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	EN 50363-4-1