



For extremely dynamic applications MOTIONLINE® PREMIUM

**STANDARDS**

**Product** UL and CSA approval

For Premium dynamic application, screened cable, 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:** 44495179

**CONTACT**

Market information  
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Halogen free  
Yes



Operating temp.  
-30 ... 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	(4x2xAWG26/19)C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	Polyolefin
Lay Up	Pairs stranded with fillers
Insulation colour	White/Orange, White/Green, White/Blue, White/Brown
Screen	Tinned copper braid, coverage ≥ 85%
Taping	Plastic aluminium tape
Outer sheath	PUR
Sheath colour	Green RAL 6018
Halogen free	Yes

**Dimensional characteristics**

Outer Diameter	7.5 mm
Copper content	30 kg/km
Approximate weight	60 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	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	-40 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404