



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, Industry 4.0 ready.

Reference: 44491889

CONTACT

Market information
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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	((2xAWG28/19)+2xAWG20/19)C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	Polyolefin
Lay Up	Data pairs and power cores stranded with fillers
Insulation colour	White/Green, Black/Red
Taping	Plastic aluminium tape
Screen	Tinned copper braid, coverage ≥ 80%
Outer sheath	PUR
Sheath colour	Green RAL 6018

Dimensional characteristics

Outer Diameter	4.9 mm
Copper content	26 kg/km
Approximate weight	39 kg/km

Electrical characteristics

Rated Voltage U _o /U	30 V
Test voltage	500 V
Characteristic impedance	90 Ohm

Mechanical characteristics

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

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