



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.

### 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

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

## Electrical characteristics

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

## PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 44491889	-	USB 3.0/2.0 (90 OHM) ((2xAWG28/19)+2xAWG20/19)C	((2xAWG28/19)+2xAWG20/19)C	4.9	26
☎ 44491989	-	USB 3.0/2.0 (90 OHM) ((2xAWG24/19)+2xAWG20/19)C	((2xAWG24/19)+2xAWG20/19)C	6	30

☎ = Make to order, 📦 = In stock,