



Industrial Ethernet cables for extrem torsion applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

Industrial Ethernet cables for extrem torsion applications; PUR jacket, TPM insulation, screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

**Reference:** 44467479

### 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	(2x2x0,18)StD - Ethernet CAT5e
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	Cores twisted to pairs with fillers, Pairs twisted with fillers
Insulation colour	Please request detailed data sheet
Screen	Screened foil and tinned copper spiral, coverage ≥ 90%
Outer sheath	PUR
Sheath colour	Green RAL 6018
Halogen free	Yes

#### Dimensional characteristics

Outer Diameter	7 mm
Copper content	21 kg/km
Approximate weight	58 kg/km

#### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	30 V
Test voltage	500 V

#### Mechanical characteristics

<b>Torsion test max. +/- 4 turns for 10 meters</b>	180°/m
Bending cycles	5 Mio.
Speed	180° / s

#### Usage characteristics

Field of application	Dynamic
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