



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.

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

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

Electrical characteristics

Rated Voltage U _o /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 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

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 44467379	-	INDUSTRIAL ETHERNET CAT5e PREMIUM (1x4xAWG26/19)C	(1x4xAWG26/19)C	5.1	16
☎ 44495179	-	INDUSTRIAL ETHERNET CAT5e PREMIUM (4x2xAWG26/19)C	(4x2xAWG26/19)C	7.5	30

☎ = Make to order, 📦 = In stock,