



## CONTACT

Market information  
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For dynamic applications MOTIONLINE® STANDARD

## STANDARDS

**Product** UL and CSA approval

For standard dynamic applications; screened cables; PUR sheath, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC and halogen free, Industry 4.0 ready.

## Construction

**Conductor:** Bending-resistant conductor with bare copper wires

**Core insulation:** Polyolefin

**Pair stranding:** Pairs stranded with fillers and screened with plastic aluminium foil

**Core stranding:** Four screened pairs were lay up to the core

**Screen:** Tinned copper braid, coverage  $\geq 85\%$  (overall screen)

**Jacket:** PUR Colour: violet (similar RAL 4001)



Halogen free  
 Yes



Operating temp.  
 -15 ... 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	Four screened pairs were lay up to a core
Insulation colour	White/Orange, White/Green, White/Blue, White/Brown
Taping	Plastic aluminium tape
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Violet RAL 4001
Halogen free	Yes

## Dimensional characteristics

Outer Diameter	8.9 mm
Copper content	40 kg/km
Approximate weight	88 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	1 Mio.
Speed	120 m/min
Maximum acceleration	2 m/s <sup>2</sup>

## Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 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
☎ 44495780	-	INDUSTRIAL ETHERNET CAT7 STANDARD (4x2xAWG26/19)C

☎ = Make to order, 🏠 = In stock,