



Reference: 44495780

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 ≥ 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 _o /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 ²

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