INDUSTRIAL ETHERNET CAT7 (100 OHM)

INDUSTRIAL ETHERNET CAT7 (4x(2xAWG26/19)C)C

Reference: 44496680

CONTACT

Market information
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For very dynamic applications MOTIONLINE® ADVANCED

STANDARDS

Product UL and CSA approval

For advanced 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

Core Identification: White-Orange ; White-Blue; White-Green; White-Brown

Core stranding: Four screened pairs were lay up to a core

Screen: Plastic aluminium tape (pairs) ; Tinned copper braid cov. 85% (pairs and overall screen)

Halogen free	Operating temp.	Storage temperature, range	Flame retardant	Oil resistance
Yes	**-15 ... 80 °C**	**-40 ... 80 °C**	**IEC 60332-1-2; UL 1581 FT1**	**DIN EN 50363-10-2 & DIN EN 60811-404**

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CHARACTERISTICS

Construction characteristics	
Construction type	(4x(2xAWG26/19)C)C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	Polyolefin
Insulation colour	White/Orange, White/Green, White/Blue, White/Brown
Individual screen	Plastic aliuminium tape (pairs); Tinned copper braid, coverage ≥ 85%
Lay Up	Four screened pairs were lay up to a core
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Violet RAL 4001
Halogen free	Yes
Dimensional characteristics	
Outer Diameter	10 mm
Copper content	75 kg/km
Approximate weight	125 kg/km
Electrical characteristics	
Rated Voltage Uo/U	30 V
Test voltage	500 V
Characteristic impedance	100 Ohm
Mechanical characteristics	
Bending cycles	5 Mio.
Speed	180 m/min
Maximum acceleration	20 m/s²
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