

ETHERLINE® TORSION Cat.7

Highly flexible application

Industrial Ethernet cable Cat.7 for torsion stress applications ($\pm 180^\circ$)
4 pairs, PUR jacket with UL approval, design 4x2xAWG24/7, for PROFINET Type C

Info

For Torsion applications ($\pm 180^\circ$)
For PROFINET applications with 4 pairs
Cat.7 qualified for 10Gbit/s



UV-resistant



Torsion-resistant



Interference signals



Robust



Mechanical resistance



Mechanical and plant engineering



Automation & fältinstallation



Flame-retardant

Last Update (31.10.2017)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Torsion load

Benefits

Many applications with Industrial Ethernet, e.g. PROFINET, i.e. fixed installation, flexible use as well as TORSION.
4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet
Premium screening against electromagnetic interference
Can be used for Industrial Ethernet in harsh industrial environments

Application range

for industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702
Wiring of machines, tools, devices, appliances and control cabinets
Max. cable length for 100 Mbit/s is 85 m
Max. cable length for 10 Gbit/s is 85 m
suitable for EtherCAT and EtherNet/IP applications

Product features

Halogen-free according to IEC 60754-1
Oil-resistant acc. IEC 60811-2-1
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
Cable suitable for high torsion stress. Tested with up to 5 million bending cycles and a right/left movement of 180° per metre.

Norm references / Approvals

electrical requirements acc. to IEC 61156-6
UL/CSA-certified (CMX)
UL AWM Style 21576
Flame-retardant according IEC 60332-1-2

Product Make-up

7-wire tinned stranded copper conductor
Core insulation made of polyethylene (PE)
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
Outer sheath made of PUR
Colour: green (based on RAL 6018)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 8 x outer diameter Flexing: 15 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation: -40 °C to +80 °C Flexing: -30 °C to +70 °C

Note

Photographs are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of pairs and AWG per conductor	Outer diameter [mm]	Copper index (kg/km)
2170481	4x2xAWG24/7	9.4	44

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