

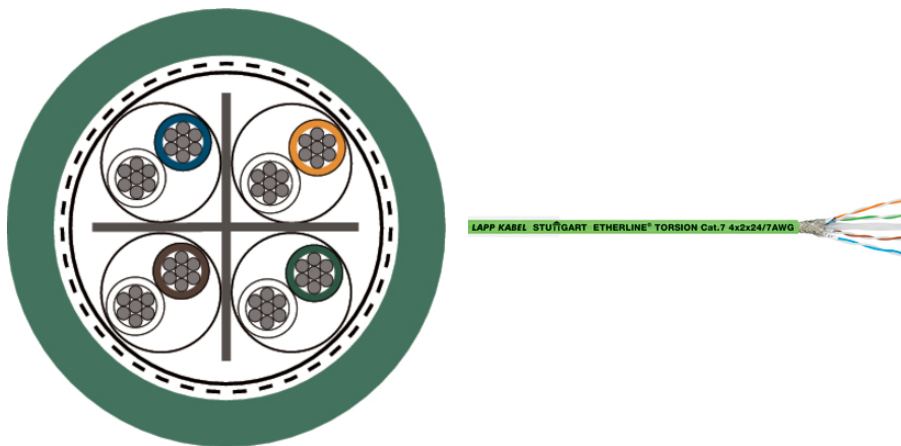
## ETHERLINE® TORSION Cat.7









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



-  Supplementary automation components from Lapp
-  Mechanical and plant engineering
-  Flame-retardant
-  Halogen-free
-  Mechanical resistance
-  Robust
-  Interference signals
-  Torsion-resistant

Last Update (06.09.2020)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ETHERLINE® TORSION Cat.7



Torsion load



UV-resistant

### 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:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 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:	100 ± 5 Ohm (> 1 MHz)
Temperature range:	Fixed installation: -40 °C to +80 °C Flexing: -30 °C to +70 °C

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**Note**

Photographs and graphics 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.  
UL certifications can be found in the data sheet.

**ETHERLINE® TORSION Cat.7**

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
2170481	ETHERLINE® TORSION CAT.7	4x2xAWG24/7	1.4	9.4	44	95

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