

## ETHERLINE® TORSION Cat. 5

Ethernet cable category 5, class D for high flexible applications

Industrial Ethernet cable Cat.5 for torsion stress applications ( $\pm 180^\circ$ )

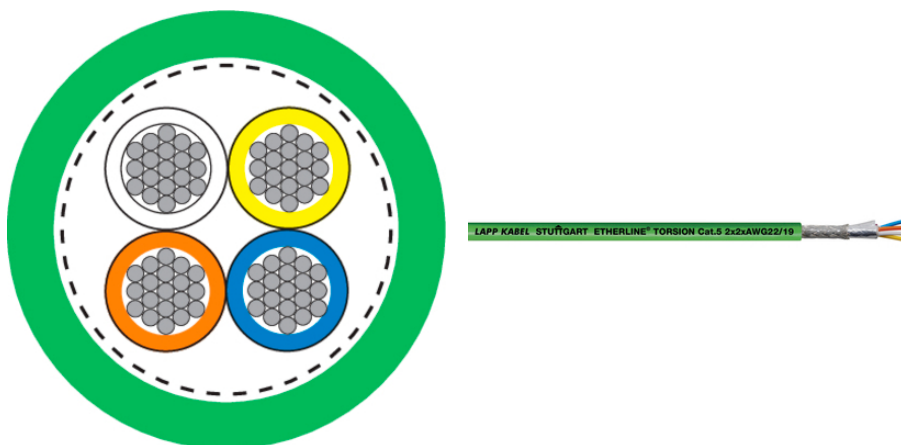
2 pairs, PUR jacket with AWM approval, design 2x2xAWG22/19, for PROFINET

### Info

Industrial Ethernet Cable, 2-pair, suitable for torsion stress

For PROFINET applications

CAT.5-Performance



Supplementary automation components from Lapp



Mechanical and plant engineering



Halogen-free



Mechanical resistance



Interference signals



Torsion-resistant

### Benefits

Can be used in dry or damp rooms

Screened against interference

Can be used for Industrial Ethernet in harsh industrial environments

Industrial Ethernet Cable, 2-pair, suitable for torsion stress

2pair: 10/100 Mbit/s for Industrial Ethernet

Last Update (28.04.2024)

©2024 Lapp Group - Technical changes reserved

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. 5

### Application range

Many applications with Industrial Ethernet, e.g. PROFINET, i.e. fixed installation, flexible use as well as TORSION.  
Wiring of machines, tools, devices, appliances and control cabinets  
suitable for EtherCAT and EtherNet/IP applications

### Product features

Cable suitable for high torsion stress. Tested with more than 1 million bending cycles and a right/left movement of 180° per metre.  
Outer sheath with high abrasion-resistance  
Broad usages due to halogen-free materials  
PUR outer sheath is highly resistant to mineral oils and abrasion

### Norm references / Approvals

UL AWM (Style 21161)  
Halogen-free according to VDE 0472-815  
Flame retardant acc. to IEC 60332-1-2

### Product Make-up

Stranded conductor, tinned  
AWG 22 (19-wire)  
PE core insulation  
Star quad  
Screening: wrapped with braided tinned-copper wires  
Non-woven wrapping  
PUR outer sheath, green (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:	max. 100 V (not for power applications)
Minimum bending radius:	5 x outer diameter
Test voltage:	700 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	-40°C to +80°C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

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.

**ETHERLINE® TORSION Cat. 5**

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)
2170888	ETHERLINE® TORSION CAT.5	2 x 2 x AWG22/19	1.5	6.5	31.3	52