



## ETHERLINE® TORSION Cat. 5

**Info**

- Industrial Ethernet Cable, 2-pair, suitable for torsion stress
- For PROFINET applications



### Benefits

- For PROFINET applications type C
- Industrial Ethernet Cable, 2-pair, suitable for torsion stress
- Industrial use
- Can be used in dry or damp rooms

### Application range

- Many applications with Industrial Ethernet, e.g. PROFINET, i.e. fixed installation, flexible use as well as TORSION.
- Plant engineering, machinery manufacturing
- 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
- CAT.5-Performance

### 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

- Peak operating voltage**  
max. 100 V (not for power applications)
- Minimum bending radius**  
Installation: 5 x outer diameter
- Test voltage**  
700 V
- Temperature range**  
-40°C to +80°C
- Characteristic impedance**  
100 ± 15 Ohm (> 1 MHz)

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2170888	ETHERLINE® TORSION CAT.5	2 x 2 x AWG22/19	6.5	31.3	52

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
 Copper price basis: EUR 150/100kg. 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).  
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 Photographs are not to scale and do not represent detailed images of the respective products.

### Accessories

- Connector RJ45 Cat.5e for Profinet refer to page 423
- BUS M12 connectors that can be assembled
- Easy connect rail mount adapter Cat.6A refer to page 437
- Multipurpose shears A and B refer to page 907
- SMART STRIP stripping tool refer to page 911