EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

ETHERLINE® TORSION Cat.6A

Highly flexible application

Industrial Ethernet cable Cat.6A for torsion stress applications (± 180°)
4 pairs, PVC or PUR jacket with UL approval, design 4x2xAWG24/7, for PROFINET Type C

Info
Industrial Ethernet Cable, 4-pair, suitable for torsion stress
Cat.6_A acc. to ISO/IEC 11801
For PROFINET applications







- Supplementary automation components from Lapp
- Suitable for outdoor use
- Mechanical resistance
- Robust
- Interference signals
- Torsion-resistant
- 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

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

ETHERLINE® TORSION Cat.6A

Can be used for Industrial Ethernet in harsh industrial environments

Application range

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
Can be used for Industrial Ethernet in harsh industrial environments
suitable for EtherCAT and EtherNet/IP applications

Product features

PUR version is halogen-free according to VDE 0472-815
Oil-resistant acc. IEC 60811-2-1
Cable suitable for high torsion stress. Tested with more than 1 million bending cycles and a right/left movement of 180° per metre.
Meets the requirements according to CAT.6A, ISO/IEC 11801 and EN 50173

Norm references / Approvals

electrical requirements acc. to IEC 61156-6
PUR cable is UL/CSA-certified (CMX)
PUR versions: UL AWM Style 21576
PVC cable is UL/CSA-certified (CM)
Flame retardant acc. to 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: PUR/PVC
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
Minimum bending radius:	Fixed installation: 8 x cable diameter Flexing: 15 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Cable with PUR jacket Fixed installation: -40°C to +80°C Flexing: -30°C to +70°C Cable with PVC jacket Fixed installation: -40°C to +80°C Flexing: -10°C bis +70°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)
Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.
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.

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ETHERLINE® TORSION Cat.6A

UL certifications can be found in the data sheet.

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ETHERLINE® TORSION Cat.6A

PRODUCT INFORMATION

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	J_1NVGW	Weight (kg/km)
PVC jacket						
2170482	ETHERLINE® TORSION Y CAT6$_A$	4 x 2 x AWG24/7	1.3	8.9	44	88
PUR outer sheath, halogen-free						
2170483	ETHERLINE® TORSION P CAT6$_A$	4 x 2 x AWG24/7	1.3	8.9	44	90

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