

ETHERLINE® ROBUST

Flexible use

Industrial Ethernet cable for food and beverage, Cat.5e and Cat.7 PROFINET cable Type B, Profinet cable with special TPE jacket for rough environments, halogenfree Industrial Ethernet cables

Info

For PROFINET applications
 Good chemical resistance please see Appendix T1



-  Food & Beverage
-  Mechanical and plant engineering
-  Suitable for outdoor use
-  Good chemical resistance
-  Halogen-free
-  Interference signals
-  UV-resistant

Benefits

Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for indoor and outdoor applications
 Resistant to contact with plant, animal or synthetic-based organic substances, oils, greases, waxes and the related emulsions
 Good resistance to ammonia compounds and bio-gases
 Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents

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Well-suited to steam cleaning

Application range

For flexible applications

(7-wire stranded conductor)

Machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works

Food and beverage industry, especially for production and processing equipment of milk and meat products

for industrial secondary and tertiary cabling according to EN 50173-3

ISO/IEC 24702

Product features

UV-resistant according to ISO 4892-2

Halogen-free materials

Good chemical resistance to ester-based hydraulic fluids

Ozone-resistant according to EN 50396

Low smoke density according to IEC 61034-2

Product Make-up

7-wire bare stranded copper conductor

Core insulation: Based on Polyolefin

Screening: wrapped with braided tinned-copper wires

Outer sheath made of special TPE

Colour: black

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 outer diameter

Flexing: 10 x outer diameter

Characteristic impedance:

nom. 100 Ω acc. to IEC 61156-6

Temperature range:

Fixed installation: -50 °C to +80 °C

Flexing: -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.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

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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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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)
PROFINET Cat.5e						
2170451	ETHERLINE® ROBUST PN Cat.5	2x2x22/7AWG	1.5	6.5	30.4	50
PROFINET Cat.7						
2170452	ETHERLINE® ROBUST PN Cat.7	4x2xAWG23/7	1.5	8.7	48	75
Industrial Ethernet Cat.7						
2170453	ETHERLINE® ROBUST Cat.7 FLEX	4x2xAWG26/7	1	6.2	27	36

Last Update (02.05.2024)

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Product Management www.lappkabel.de

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

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