

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



ICOLAT



UV-resistant



Interference signals



Halogen-free



Good chemical resistance



Mechanical and plant engineering



Food & Beverage



Suitable for outdoor use

Last Update (25.02.2018)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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
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

Halogen-free materials
Good chemical resistance to ester-based hydraulic fluids
Ozone, UV and weather-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:	Flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Occasional flexing: -40°C to +80°C Fixed installation: -50°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	2x2xAWG22/7	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

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