ETHERLINE® ROBUST

Flexible use

Industrial Ethernet cable for food and baverage, Cat.5e and Cat.7 PROFINET cable Type B, Profinet cable with special TPE jacket for rugh environements, halogenfree Industrial Ethernet cables

Info
For PROFINET applications
Good chemical resistance

ECOLAB

 UV-resistant

 Interference signals

 Halogen-free

 Good chemical resistance

 Mechanical and plant engineering

 Food & Beverage

 Suitable for outdoor use

ETHERLINE® ROBUST

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 frequent 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

Stranded 7-wire bare 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 5.0 Class-ID: EC000830
	ETIM 5.0 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

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 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.

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