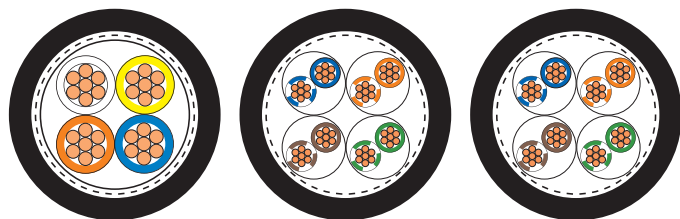**⊛ LAPP**

ECOLAB®

ETHERLINE® ROBUST
Flexible use

> **ⓘ Info**
>
> • For PROFINET applications
> • Good chemical resistance

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 5/6
ETIM 5.0/6.0 Class-ID: EC000830
ETIM 5.0/6.0 Class-Description: Data cable

Minimum bending radius
Flexing: 10 x outer diameter
Fixed installation: 4 x outer diameter

Z_∞ 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

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

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. 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
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.

Accessories

Sidebar tabs: ÖLFLEX® · UNITRONIC® · ETHERLINE® · HITRONIC® · EPIC® · SKINTOP® · SILVYN® · FLEXIMARK® · ACCESSORIES · APPENDIX