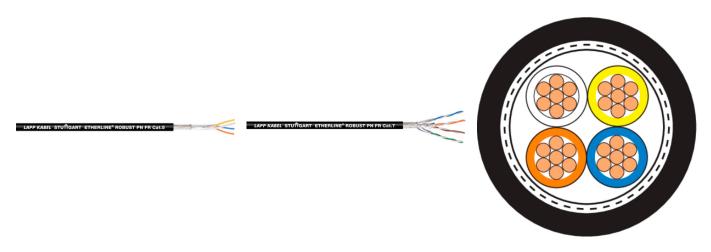


Industrial Ethernet cable for food and baverage, Cat.5e and Cat.7 PROFINET cable Type B, Profinet cable with special TPE jacket for rugh environements, flame retardant Industrial Ethernet cables

Info

For PROFINET applications Flame-retardant







Supplementary automation components from Lapp



Food & Beverage



Mechanical and plant engineering



Suitable for outdoor use



Good chemical resistance



Flame-retardant



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

Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents Well-suited to steam cleaning

Last Update (18.12.2024)

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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



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

suitable for EtherCAT and EtherNet/IP applications

Product features

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Flame retardance makes it suitable for indoor and outdoor installations

2pair: 10/100 Mbit/s for Industrial Ethernet

4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Many applications with Industrial Ethernet, e.g. PROFINET type B, i.e. fixed installation and flexible use.

Norm references / Approvals

UV-resistant according to ISO 4892-2 Flame-retardant according IEC 60332-1-2 Ozone-resistant according to EN 50396

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 5.0/6.0 Class-ID: EC000830

ETIM 5.0/6.0 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: 8 x outer diameter

nom, 100 O acc, to IFC 61156-6 Characteristic impedance:

Fixed installation: -50°C to +80°C Temperature range:

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

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.

Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number Article designation Number of pairs Core diameter in mm Outer diameter mm Copper index (kg/km) Weight (kg/km) and AWG per conductor Industrial Ethernet Cat.7 27 40 ETHERLINE® ROBUST 4x2xAWG26/7 6.2 2170456 FR Cat.7 FLEX PROFINET Cat.5e ETHERLINE® ROBUST 55 6.5 30.4 2170454 2x2xAWG22/7 1.5 PN FR Cat.5 PROFINET Cat.7 1.5 8.7 80 2170455 ETHERLINE® ROBUST 4x2xAWG23/7 48 PN FR Cat.7



