

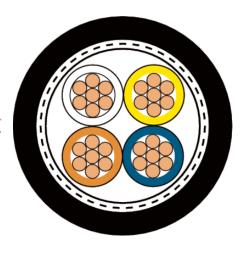
# **ETHERLINE® ROBUST FR**

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

LAPP KABEL STUTIGART ETHERLINE" ROBUST PN FR Cat.5





## 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

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## **ETHERLINE® ROBUST FR**

## 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
Characteristic impedance:	nom. 100 $\Omega$ 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.

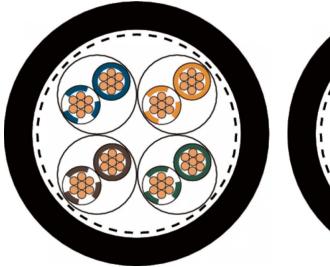
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation) Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable. Photographs and graphics are not to scale and do not represent detailed images of the respective products. Prices are net prices without VAT and surcharges. Sale to business customers only.

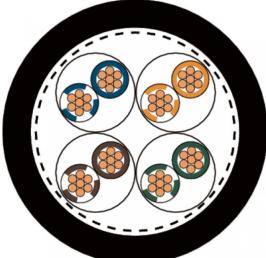
st	Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	J_1NVGW	Weight (kg/km)	
Update	PROFINET Cat.5e							
<u> </u>		ETHERLINE <sup>®</sup> ROBUST PN FR Cat.5	2x2xAWG22/7	1.5	6.5	30.4	55	
02.2	PROFINET Cat.7							
7.02.2020)		ETHERLINE® ROBUST PN FR Cat.7	4x2xAWG23/7	1.5	8.7	48	80	
	Industrial Ethernet Cat.7							
		ETHERLINE® ROBUST FR Cat.7 FLEX	4x2xAWG26/7	1	6.2	27	40	

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