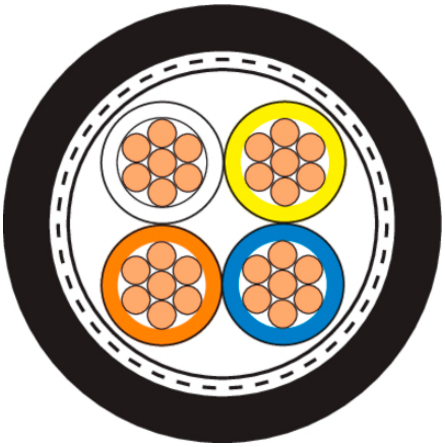
ETHERLINE® Y CAT.5e BK

Flexible application

Industrial Ethernet cable Cat.5 for special applications, for PROFINET application Type C
design 2x2xAWG22/7, PVC jacket

Info

For PROFINET applications
CAT.5-Performance





- Supplementary automation components from Lapp
- Suitable for outdoor use
- Good chemical resistance
- Oil-resistant
- UV-resistant

Benefits

UV and weather-resistant in black
Can be used in dry or damp rooms
Screened against interference
Suitable for outdoor use, UV-resistant
2pair: 10/100 Mbit/s for Industrial Ethernet

Application range

Many applications with Industrial Ethernet, e.g. PROFINET type C, i.e. fixed installation and flexible use.
Wiring of machines, tools, devices, appliances and control cabinets
suitable for EtherCAT and EtherNet/IP applications

Last Update (30.11.2025)
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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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Product features

PVC compound TM2 acc. to EN 50363-4-1
Resistant to acids, alkalis and certain oils at room temperature
Flame retardant acc. to IEC 60332-1-2

Product Make-up

Stranded conductor, 7-wire, bare
Core insulation: Based on Polyolefin
Colour-coded in accordance with PROFINET for Cat.5e apllications
Star quad
Overall screening with copper braid and plastic-laminated aluminium foil
PVC outer sheath, 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
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 10 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 1000 V Core/screen: 500 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	Flexing: -10 °C to +70 °C Fixed installation: -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.
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
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)
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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ETHERLINE® Y CAT.5e BK

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter [mm]	Core diameter in mm	Copper index (kg/km)	Weight (kg/km)
2170901	ETHERLINE® Y CAT.5e BK	2 x 2 x AWG22/7	6.2	1.5	30.4	59

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