ETHERLINE® Cat.5e FLEX

Ethernet cable Category 5e, Class D for flexible use - verified up to 100 MHz

Industrial Ethernet cable Cat.5e for flexible use
halogenfree or PUR (AWM-approval) outer sheath material, design 2 or 4 x2xAWG26/7

Info

Industrial Ethernet cable
Cat.5e
Only for patch cable applications
(max. 60 m)

Supplementary automation components from Lapp

Halogen-free

Mechanical resistance

Robust

Interference signals

Benefits

Seamless communication from the sensor/actuator level to the Internet
Screened against interference
Can be used in dry or damp rooms
Can be used for Industrial Ethernet in harsh industrial environments
cables with PUR jacket: 1000 V UL- rating for installation next to power cables

Application range

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

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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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4pair: 10/100/1000 Mbit/s for Industrial Ethernet
suitable for EtherCAT and EtherNet/IP applications
For flexible applications
(7-wire stranded conductor)
Only for patch cable applications
(max. 60 m)

Product features

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
PUR outer sheath is highly resistant to mineral oils and abrasion

Norm references / Approvals

PUR cables: halogenfree acc. to VDE 0472-815
PVC version with UL/CSA (CMG) certification
PUR versions: UL AWM Style 21576
Flame-retardant according IEC 60332-1-2
Halogenfree cables: halogenfree according to IEC 60754-1, IEC 60754-2

Product Make-up

Stranded conductor, bare, 7-wire
Core insulation made of polyolefine
2 or 4-pair version
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening
Outer sheath as either PVC, PUR or LSZH
Colour: water blue (similar to RAL 5021)
PVC jacket colour: green (similar to RAL 6018)

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: 8 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:	cable with PUR jacket Fixed installation: VDE -30°C to +80°C; UL/CSA -30°C to +80°C flexing: VDE -5°C to +50°C; UL/CSA -5°C to +80°C cable halogenfree compound Fixed installation: -30°C to +80°C flexing: -5°C to +60°C cable with PVC jacket Fixed installation: -40°C to +80°C flexing: -10°C to +70°C

Note

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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
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
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.

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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)
2170283	ETHERLINE® H Flex CAT.5e	2 x 2 x AWG26/7	1	5.6	19	43
PUR outer sheath, halogen-free						
2170284	ETHERLINE® P Flex CAT.5e	2 x 2 x AWG26/7	1	5.6	19	45
2170299	ETHERLINE® H Flex CAT.5e	4 x 2 x AWG26/7	1	6.1	25	48
PUR outer sheath, halogen-free						
2170300	ETHERLINE® P Flex CAT.5e	4 x 2 x AWG26/7	1	6.1	25	54
PVC outer sheath						
2170486	ETHERLINE® Y Flex CAT.5e	4 x2 x AWG26/7	1	6.2	30	54

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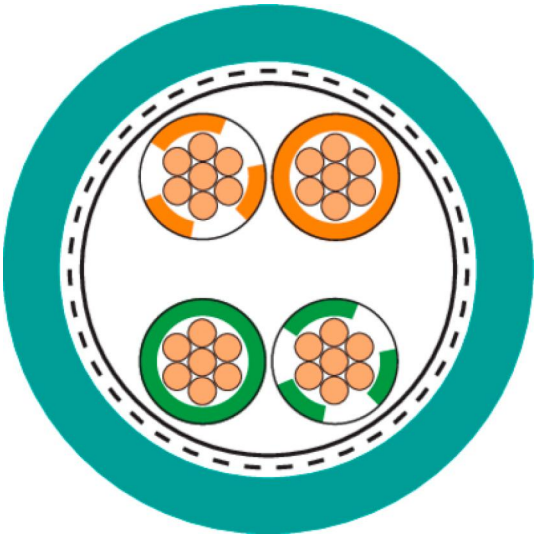

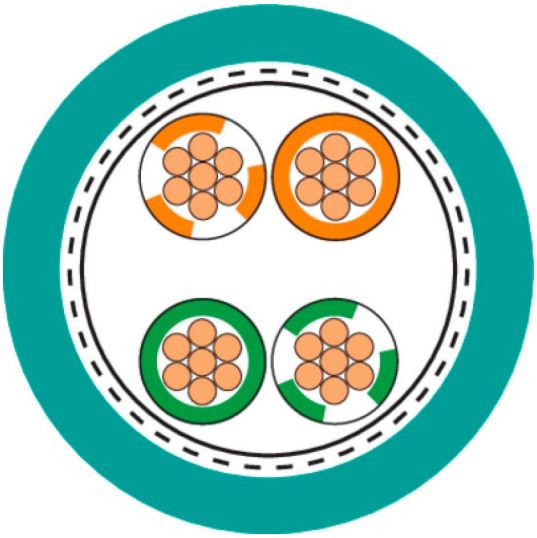

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