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

Last Update (08.09.2020)
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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
ETHERLINE® Cat.5e FLEX

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 (CMX) 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 foam skin
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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<tr>
<th>Article number</th>
<th>Article designation</th>
<th>Number of pairs and AWG per conductor</th>
<th>Core diameter in mm</th>
<th>Outer diameter mm</th>
<th>Copper index (kg/km)</th>
<th>Weight (kg/km)</th>
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