ETHERLINE® Cat.5 FD BK

Ethernet cable Category 5e, Class D for installation in events - verified up to 100 MHz

Industrial ethernet cable Cat.5 for high flexible use in drag chain applications

Info
For highly flexible industrial
applications
Cat.5e-Performance
Only for patch cable applications
(max. 60 m)



- Supplementary automation components from Lapp
- Mechanical and plant engineering
- Suitable for outdoor use
- Halogen-free
- Mechanical resistance
- Power chain
- Robust
- Interference signals

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UV-resistant

Benefits

Additional application options thanks to suitability for outdoor use, UV-resistant
Good flexibility - easy installation with tight space requirements
Screened against interference
Easy to coil for mobile use

Application range

IEEE 802.3: 10/100/1000Base-T
IEEE 802.5: ISDN; FDDI; ATM
Suitable for the transfer of audio signals (ETHERSOUND), light control signals (DMX over Ethernet), or for computer networking
Only for patch cable applications
(max. 60 m)
suitable for EtherCAT and EtherNet/IP applications
4pair: 10/100/1000 Mbit/s for Industrial Ethernet

Product features

specifically developed for road environments
Suitable for outdoor use, UV-resistant
PUR outer sheath is highly resistant to mineral oils and abrasion
Premium screening against electromagnetic interference

Norm references / Approvals

UL AWM Style 21576
Flame retardant acc. to IEC 60332-1-2
Halogen-free according to VDE 0472-815

Product Make-up

Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 mm^2)
Insulation: foam skin, max. core diameter 1.0 mm
Twisting: 2 twisted-pair cores, stranding from 4 pairs
Inner sheath: thermoplastic elastomer, halogen-free
Screening: wrapped with braided tinned-copper wires
Outer sheath: halogen-free PUR, 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 61156-6
Temperature range:	Fixed installation: VDE -30 °C to +80 °C; UL/CSA -30 °C to +80 °C

Last Update (22.12.2023)
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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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Flexing: VDE -5 °C to +50 °C; UL/CSA -5 °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.
Standard lengths: (100; 500; 1000) m
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).
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)
CE217489	ETHERLINE® FD P BK Cat.5	4x2xAWG26/19	1	6.3	27	54

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