

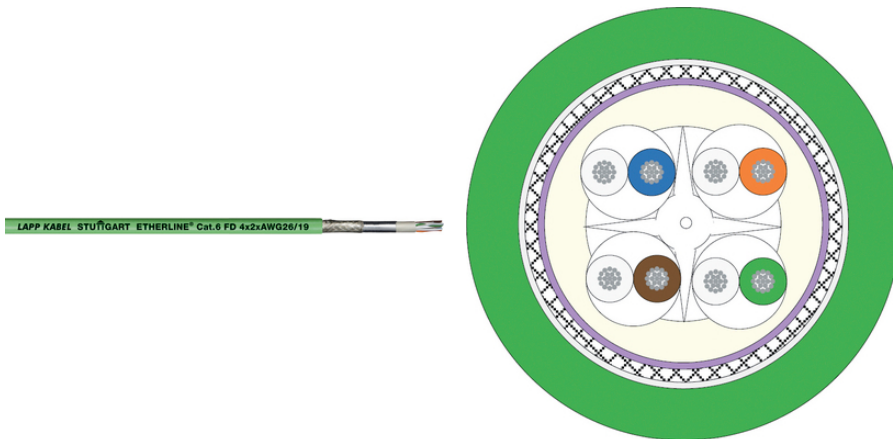
ETHERLINE® CAT.6 FD

Ethernet cable Category 6, Class E for use in drag chain applications - verified up to 250 MHz

Industrial Ethernet cable Cat.6 for high flexible use
PUR (UL-approval) outer sheath material, design 4 x2xAWG26/19

Info

Cat.6 for drag chain



Supplementary automation components from Lapp



Mechanical and plant engineering



Halogen-free



Mechanical resistance



Power chain



Interference signals

Benefits

Highly flexible data cable with PUR outer sheath, meets the highest service life requirements, even under harsh climatic conditions
Premium screening against electromagnetic interference

Application range

For use in drag chains and moving machinery parts in dry or damp rooms

Only for patch cable applications

(max. 60 m)

suitable for EtherCAT and EtherNet/IP applications

Last Update (21.12.2023)

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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

ETHERLINE® CAT.6 FD

Plant engineering, machinery manufacturing
4pair: 10/100/1000 Mbit/s for Industrial Ethernet

Product features

PUR outer sheath is resistant to most oils and hydraulic fluids
Cat.6 for drag chain
min. 1 million bending cycles in the drag chain

Norm references / Approvals

UL/CSA type CMX (UL 444)
Flame retardant acc. to IEC 60332-1-2

Product Make-up

Stranded conductor, tinned
AWG 26 (19-wire)
PP core insulation
Inner sheath: thermoplastic copolymer (FRNC)
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening
PUR outer sheath, halogen-free
Colour: green (based on 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:	max. 100 V (not for power applications)
Minimum bending radius:	Fixed installation: 4 x outer diameter Flexing: 7.5 x outer diameter
Test voltage:	700 V
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation: -40 °C to +80 °C Flexing: -30 °C to +70 °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).

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.

ETHERLINE® CAT.6 FD

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)
2170488	ETHERLINE® CAT.6 FD	4 x 2 x AWG26/19	1	7.8	34	63

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