

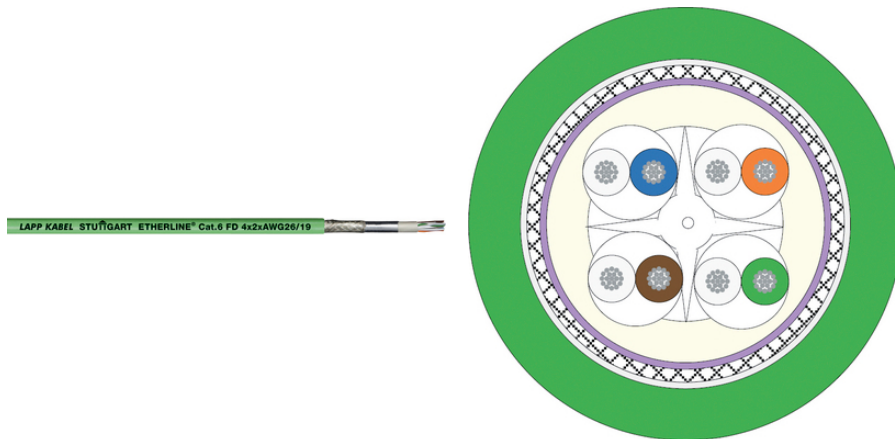
## ETHERLINE® CAT.6 FD

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 (19.07.2022)

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Product Management [www.lappkabel.de](http://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 $\Omega$ 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  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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