

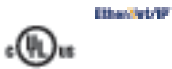
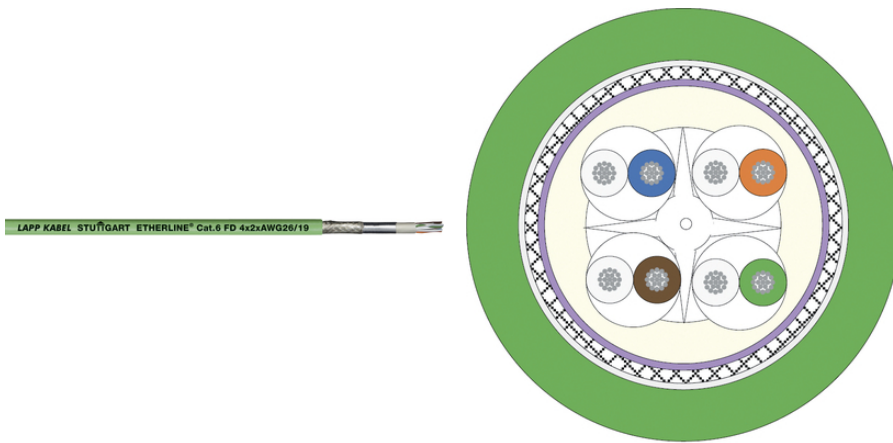
ETHERLINE® CAT.6 FD

Highly flexible application

Industrial Ethernet cable Cat.6 for highly flexible use in power chains
4-pair PUR outer sheath with CMX approval
design 4x2xAWG26/19

Info

CAT.6 cable for drag chain!



Interference signals



Power chain



Mechanical resistance



Halogen-free



Industrial machinery and plant engineering



Automation & fältinstallation

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

ETHERLINE® CAT.6 FD

Application range

For use in drag chains and constantly moving machinery parts in dry or damp rooms
Only for patch cable applications (max. 60 m)
suitable for EtherCAT and EtherNet/IP applications
Plant construction, machinery manufacturing
4-pair: 10/100/1000 Mbit/s for Industrial Ethernet

Product features

Flame-retardant according IEC 60332-1-2
PUR outer sheath is resistant to many oils and hydraulic fluids
CAT.6 cable for drag chain!
Designed for 1 – 2 million alternating bending cycles in the power chain

Norm references / Approvals

UL/CSA type CMX (UL 444)

Product Make-up

Braided conductor, tin-plated
AWG 26 (19-wire)
PP core insulation
Inner sheath: Thermoplastic copolymer (FRNC)
SF/UTP: Braid of tin-plated copper wire and laminated aluminium foil as overall shielding
PUR outer sheath, halogen-free
Colour: green (based on RAL 6018)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 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:	At 1 – 100 MHz: 100 ±15 ohm
Temperature range:	Fixed installation: -40 °C to +80 °C Flexing: -30 °C to +80 °C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
2170488	ETHERLINER CAT.6 FD	4 x 2 x AWG26/19	7.8	31.7	63

Last Update (14.06.2017)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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