

## ETHERLINE® Cat.6A FLEX FC


Flexible use

Flexible Cat.6A Ethernet cable with Fast Connect design, for applications with limited space and short transmission distances.

### Info

CAT.6<sub>A</sub> qualified for 10Gbit/s

LAPP KABEL STUTTGART ETHERLINE® Cat.6A FLEX FC 4x2xAWG20/7



Supplementary automation components from Lapp



Mechanical and plant engineering



Suitable for outdoor use



Flame-retardant



Assembly time



Interference signals



UV-resistant

### Benefits

The Fast Connect construction including inner sheath and separating cross significantly reduces the cable's assembly time, as the time-consuming removal of the pair shielding is no longer necessary. In addition, it offers undiminished shielding of the wire pairs from each other.

Additional protection against electromagnetic interference through double overall shielding made of aluminium-laminated foil and copper shielding braid with a high degree of coverage (SF/UTP).

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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.6A FLEX FC

UL certification according to technical data enables the use of the product in the North American region.  
For transmission of analogue and digital signals in the frequency range up to 500 MHz.  
Available with rugged PVC outer jacket or halogen-free FRNC outer jacket.

### Application range

Also suitable for EtherCAT and EtherNET/IP applications.  
Variant FLEX with reduced conductor cross-section is suitable for applications with limited space.  
For flexible use.  
Usable in dry, damp and wet environments.  
Usable in a variety of ways depending on the sheath material.

### Norm references / Approvals

AWM certification for USA and Canada  
Flame-retardant according to IEC 60332-1-2, UL FT-2 flame test  
UV-resistant UL SUN RES

### Product Make-up

7-wire tinned stranded copper conductor  
Core insulation: PE  
Inner sheath: halogen-free compound  
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening  
PVC or FRNC jacket material  
Colour: green (based on RAL 6018)

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Flexing: 8 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	Core/core: 2000 V Core/screen: 2000 V
Characteristic impedance:	nom. 100 $\Omega$ acc. to IEC 61156-6
Temperature range:	cable with halogenfree compound Fixed installation: -25 °C to +80 °C cable with PVC jacket Fixed installation: -40 °C to +80 °C Flexing: -5 °C to +50 °C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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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.

**ETHERLINE® Cat.6A FLEX FC**

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)
2170588	ETHERLINE® CAT.6A Y FLEX FC	4 x 2 x 26/7AWG	0.95	7.6	29	72
2170589	ETHERLINE® CAT.6A FRNC FLEX FC	4 x 2 x 26/7AWG	0.95	7.6	29	73

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