

ETHERLINE® Cat.6A FD FC

Flexible use

Highly flexible 26 AWG Ethernet cable with Fast-Connect connection for permanently moving use in drag chains and short transmission distances.

Info

CAT.6_A qualified for 10Gbit/s



Supplementary automation components from Lapp



Mechanical and plant engineering



Suitable for outdoor use



Flame-retardant



Assembly time



Power chain



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

Last Update (22.07.2022)

©2022 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ETHERLINE® Cat.6A FD FC

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).

UL certification according to technical data enables the use of the product in the North American region.

Available with robust PVC outer sheath or abrasion-resistant PUR outer sheath.

For transmission of analogue and digital signals in the frequency range up to 500 MHz.

Application range

Cable design allows highly flexible, continuously moving use in moving machine parts and in the drag chain.

Successfully tested for over 1 million bending cycles in the drag chain.

Usable in dry, damp and wet environments.

Usable in a variety of ways depending on the sheath material.

Product features

CAT.6_A for flexible application, qualified for 10Gbit/s

Meets the requirements according to CAT.6A, ISO/IEC 11801 and EN 50173

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

The oil-resistant PVC sheath enables usage in industrial environments

Norm references / Approvals

AWM certification for USA and Canada

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

Outer sheath material PUR or PVC (see article description)

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: 15 x outer diameter Fixed installation: 4 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation PVC: -40 °C bis +80 °C PUR: -40 °C bis +80 °C Flexing: PVC: -25 °C up to +70 °C PUR: -30 °C up to +50 °C

Note

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

PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

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.

Last Update (22.07.2022)

©2022 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ETHERLINE® Cat.6A FD FC

Prices are net prices without VAT and surcharges. Sale to business customers only.

ETHERLINE® Cat.6A FD 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)
2170592	ETHERLINE® Cat.6A P FD FC	4x2x26/19AWG	1.04	8.8	95.25	95
2170593	ETHERLINE® Cat.6A Y FD FC	4x2x26/19AWG	1.04	8.8	44	105.1