

## PRODUCT INFORMATION

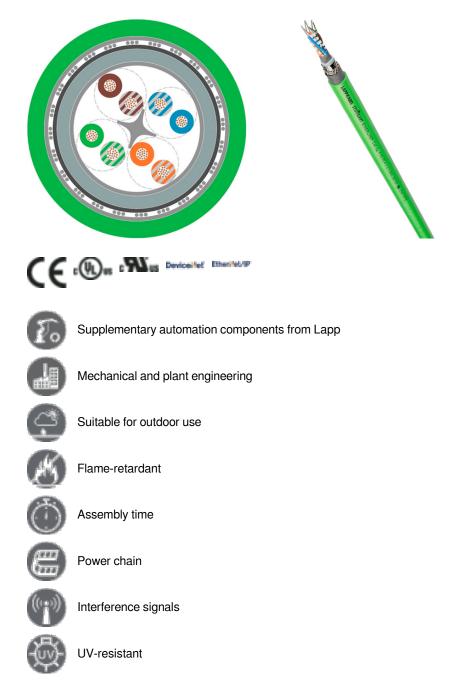
## ETHERLINE® Cat.6A FD FC

### 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<sub>A</sub> qualified for 10Gbit/s



## 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



# 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<sub>A</sub> 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:

Peak operating voltage:

Minimum bending radius:

Characteristic impedance:

Temperature range:

ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable

(not for power applications) 125 V

Flexing: 15 x outer diameter Fixed installation: 4 x outer diameter

nom. 100  $\Omega$  acc. to IEC 61156-6

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.



## ETHERLINE® Cat.6A FD FC

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

Last Update (24.04.2	Article number	0	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	44	95
		ETHERLINE® Cat.6A Y FD FC	4x2x26/19AWG	1.04	8.8	44	105.1

**& LAPP** ETHERLINE® Cat.6A FD FC