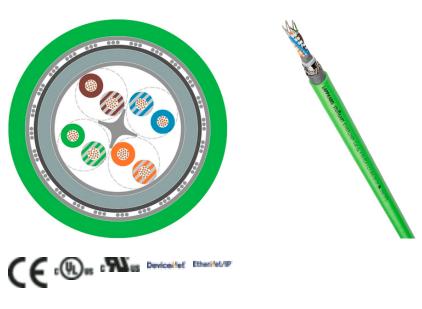


### Flexible use

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





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

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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: 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  $\Omega$  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.

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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.

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



### Weight (kg/km) Article number Article designation Number of pairs Core diameter in mm Outer diameter mm Copper index (kg/km) and AWG per conductor 8.8 95 ETHERLINE® Cat.6A P 4x2x26/19AWG 95.25 2170592 1.04 FD FC ETHERLINE® Cat.6A Y 44 2170593 4x2x26/19AWG 1.04 8.8 105.1 FD FC