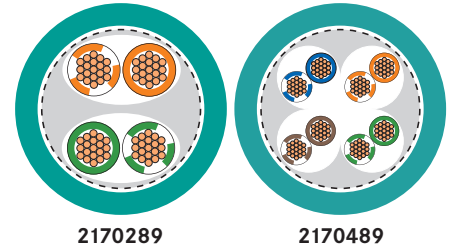


ETHERLINE® Cat.5e FD

Ethernet cable Category 5e, Class D for use in drag chain applications - verified up to 100 MHz

Info

- Industrial Ethernet cable
- For highly flexible applications
- Only for patch cable applications (max. 60 m)



- Benefits**
- Seamless communication from the sensor/actuator level to the Internet
 - Screened against interference
 - Can be used in dry or damp rooms
 - Industrial use
 - Cables with PUR jacket: 1000 V UL- rating for installation next to power cables

- Application range**
- 2pair: 10/100 Mbit/s for Industrial Ethernet
 - 4pair: 10/100/1000 Mbit/s for Industrial Ethernet
 - Only for patch cable applications (max. 60 m)
 - Suitable for EtherCAT and EtherNet/IP applications
 - Power chain applications

- Product features**
- Premium screening against electromagnetic interference
 - Halogen-free outer sheath
 - Cables with PUR jacket: 1000 V UL- rating for installation next to power cables

- Norm references / Approvals**
- UL AWM Style 21576
 - Flame-retardant according IEC 60332-1-2
 - Halogen-free according to VDE 0472-815

- Product Make-up**
- Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 mm²)
 - Inner sheath: thermoplastic elastomer, halogen-free
 - 2 or 4-pair version
 - Screening: wrapped with braided tinned-copper wires
 - PUR outer sheath
 - Colour: water blue (similar to RAL 5021)

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000830
ETIM 5.0/6.0 Class-Description: Data cable
- Peak operating voltage**
(not for power applications) 125 V
- Minimum bending radius**
Fixed installation: 8 x outer diameter
Flexing: 15 x outer diameter
- Test voltage**
Core/core: 1000 V
Core/screen: 500 V
- Characteristic impedance**
nom. 100 Ω acc. to IEC 61156-5
- Temperature range**
Fixed installation: VDE -30°C to +80°C;
UL/CSA -30°C to +80°C
Flexing: VDE -5°C to +50°C;
UL/CSA -5°C to +80°C

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)
2-pair version						
2170289	ETHERLINE® FD P CAT.5e	2 x 2 x AWG26/19	1	5.9	20	48
4-pair version						
2170489	ETHERLINE® FD P CAT.5e	4 x 2 x AWG26/19	1	6.3	27	56

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: Coil 100 m; Drum (500; 1000) m
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.

- Accessories**
- EPIC® DATA RJ45 refer to page 447
 - DATA STRIP stripping tool refer to page 959
 - KNIPEX Electronics Super Knips® refer to page 955