



**Info**

- For highly flexible industrial applications
- CAT.5-Performance



**Benefits**

- Additional application options thanks to suitability for outdoor use, UV-resistant
- Good flexibility - easy installation with tight space requirements
- Screened against interference
- Easy to coil for mobile use
- Usable on the roads

**Application range**

- IEEE 802.3: 10/100/1000Base-T
- IEEE 802.5: ISDN; FDDI; ATM
- Suitable for the transfer of audio signals (ETHERSOUND), light control signals (DMX over Ethernet), or for computer networking
- Only for patch cable applications (max. 60 m)
- Suitable for EtherCAT and EtherNet/IP applications
- 4pair: 10/100/1000 Mbit/s for Industrial Ethernet

**Product features**

- ETHERLINE® CAT.5 FD BK is a highly flexible, halogen-free, CATEGORY 5 high-speed data transmission cable, which specifically developed for road environments.
- Complies with standards EIA/TIA-568, TSB-36 and ISO/IEC IS 11801
- PUR outer sheath is highly resistant to mineral oils and abrasion
- Premium screening against electromagnetic interference
- CAT.5-Performance

**Norm references / Approvals**

- UL AWM Style 21576

**Product make-up**

- Bare stranded copper wire, 26AWG (19 x 0.10), (0.14 mm<sup>2</sup>)
- Insulation: foam skin, max. core diameter 1.0 mm
- Twisting: 2 twisted-pair cores, stranding from 4 pairs
- Inner sheath: thermoplastic elastomer, halogen-free
- Screening: wrapped with braided tinned-copper wires
- Outer sheath: halogen-free PUR, black

**Technical data**

- Minimum bending radius**  
Flexing: 15 x outer diameter  
Fixed installation: 10 x outer diameter
- Temperature range**  
Flexing: -5°C to +50°C  
Fixed installation: -40°C to +70°C
- Characteristic impedance**  
100 Ohm +/- 15%

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
CE217489	ETHERLINE® FD P BK Cat.5	4x2xAWG26/19	6.3	27.0	54

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
 Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
 Standard lengths: (100; 500; 1000) m  
 Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum  
 Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).  
 Photographs are not to scale and do not represent detailed images of the respective products.

**Similar products**

- ETHERLINE® FD P CAT.5

**Accessories**

- Field-Terminable Connector RJ45 CAT.5e FM45 refer to page 436
- Connector RJ45 CAT.6 Hirose TM21 refer to page 436
- Connector RJ45 Cat.6A FM for FD-cables refer to page 424
- SMART STRIP stripping tool refer to page 911