



## ETHERLINE® Cat.6<sub>A</sub> + Cat.7 Fixed installation



**Info**

- Industrial Ethernet cable
- For PROFINET applications with 4 pairs
- CAT.6<sub>A</sub> and Cat.7 qualified for 10Gbit/s

### Benefits

- Screened against interference
- Industrial use
- Can be used for Industrial Ethernet in harsh industrial environments

### Application range

- for industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702
- Fixed installation
- Can be used in dry or damp rooms
- For PROFINET applications type A

### Product features

- PUR outer sheath is highly resistant to mineral oils and abrasion
- Robust, halogen-free outer sheath
- PVC sheath
- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

### Product make-up

- Solid bare copper wire AWG22
- Core insulation made of polyethylene (PE)
- S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
- Colour: green (based on RAL 6018)

### Technical data

- Peak operating voltage**  
(not for power applications) 125 V
- Minimum bending radius**  
Fixed installation: see data sheet
- Temperature range**  
See data sheet
- Characteristic impedance**  
100 ohm at 1 - 100 MHz

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>Outer sheath: halogen-free, flame-retardant compound</b>					
2170466	ETHERLINE® Cat.6 <sub>A</sub> H	4 x 2 x AWG22/1	8.7	53.0	99
2170476	ETHERLINE® CAT.7 H	4 x 2 x AWG22/1	8.7	53.0	99
<b>Outer sheath: PUR, halogen-free</b>					
2170465	ETHERLINE®CAT.6 <sub>A</sub> P	4 x 2 x AWG22/1	8.7	53.0	91
2170475	ETHERLINE® Cat.7 P	4 x 2 x AWG22/1	8.7	53.0	91
<b>Outer sheath: PVC</b>					
2170464	ETHERLINE® Cat.6 <sub>A</sub> Y	4 x 2 x AWG22/1	8.7	53.0	98
2170474	ETHERLINE® Cat.7 Y	4 x 2 x AWG22/1	8.7	53.0	98

Copper price basis: EUR 150/100kg. 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](http://www.lappkabel.de/en/cable-standardlengths)  
 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).  
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 Photographs are not to scale and do not represent detailed images of the respective products.

### Accessories

- Easy Connect RJ45 Modul Cat.6A 10G refer to page 437
- Connector RJ45 Cat.6A fieldmountable refer to page 423
- Connector M12 x-coded Cat.6A 10G fieldmountable refer to page 425
- DATA STRIP stripping tool refer to page 911

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ACCESSORIES  
APPENDIX