

Data communication systems for ETHERNET-Technology

Accessories for INDUSTRIAL networking LAN cables for structured industrial cabling















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

# LAPP KABEL STUTTGART ETHERLINE® Cat.6,



- **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

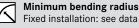
#### Product make-up

- 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



(not for power applications) 125 V



Fixed installation: see data sheet



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)
Outer sheath: halogen-free, flame-retardant compound					
2170466	ETHERLINE® Cat.6, 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
Outer sheath: PUR, halogen-free					
2170465	ETHERLINE®CAT.6, 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
Outer sheath: PVC					
2170464	ETHERLINE® Cat.6, 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

Packaging size:  $coil \le 30 \text{ kg or} \le 250 \text{ m}$ , otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils). PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)

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





Temperature range

