Fixed installation
Industrial Ethernet cable Cat.6A or Cat.7 for fixed installation; halogenfree, PVC or PUR outer sheath, design 4x2xAWG22/1



Automation

Industrial machinery and plant engineering

Mechanical resistance

Interference signals

UV-resistant

Info
Industrial Ethernet cable
For PROFINET applications with 4 pairs
CAT.6Aand Cat.7 qualified for 10Gbit/s

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

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

Design
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)

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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

Remark

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 ≤ 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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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

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Part 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.6A 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.6A 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.6A 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

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