


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ETHERLINE® Cat.6A + Cat.7	29.11.2013

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.6A and 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).
 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.

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