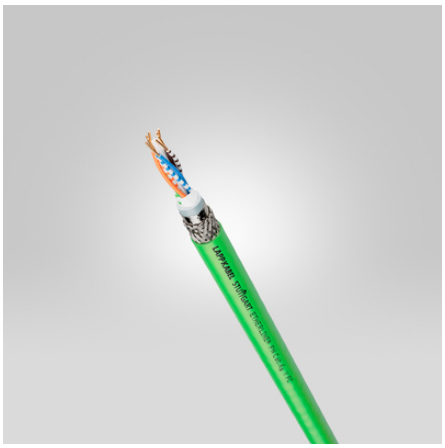
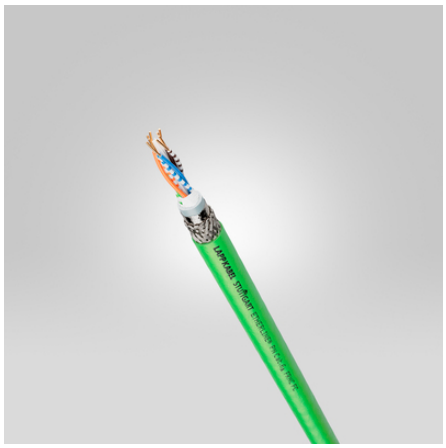
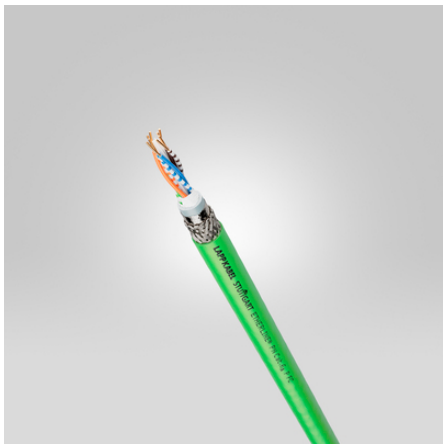
ETHERLINE® PN Cat.6A FC

Ethernet cable Category 6_A, Class E_A for fixed installation with FC inner sheath - verified up to 500 MHz

Industrial Ethernet cable Cat.6_A for fixed installation with FC inner sheath
halogenfree, PVC or PUR outer sheath, design 4x2xAWG23/1

Info

Fast and easy cable preparation by FC inner sheath
For PROFINET applications with 4 pairs
CAT.6_A qualified for 10Gbit/s

- Supplementary automation components from Lapp
- Mechanical and plant engineering
- Flame-retardant
- Mechanical resistance
- Assembly time
- Interference signals
- UV-resistant

Benefits

Can be used in dry or damp rooms
Screened against interference
Can be used for Industrial Ethernet in harsh industrial environments
4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Application range
for industrial secondary and tertiary cabling according to EN 50173-3
ISO/IEC 24702
Wiring of machines, tools, devices, appliances and control cabinets
suitable for EtherCAT and EtherNet/IP applications

Product features
The oil-resistant PVC sheath enables usage in industrial environments
Robust, halogen-free FRNC outer sheath
PUR outer sheath is highly resistant to mineral oils and abrasion
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Norm references / Approvals
UL approvals see data sheet
Flame retardant acc. to IEC 60332-1-2

Product Make-up
Solid bare copper wire AWG23
Core insulation made of polyethylene (PE)
SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall screening, 2 cores stranded to pair, 4 pairs stranded to bundle with central cross
Inner sheath: halogen-free compound
Colour: green (based on RAL 6018)

Technical Data

Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Fixed installation: 8 x outer diameter
Test voltage:	see data sheet
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	See data sheet

Note
Copper price basis: EUR 150/100 kg. 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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PRODUCT INFORMATION

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
PVC jacket						
2170583	ETHERLINE® PN CAT.6_A Y FC	4x2xAWG23/1	1.1	8.7	53	98
Halogen-free jacket						
2170584	ETHERLINE® PN CAT.6_A FRNC FC	4x2xAWG23/1	1.1	8.7	53	91
PUR outer sheath, halogen-free						
2170585	ETHERLINE® PN CAT.6_A P FC	4x2xAWG23/1	1.1	8.7	53	99

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