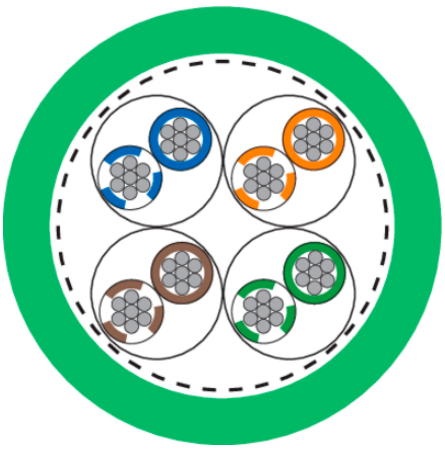
ETHERLINE® PN Cat.6A FLEX

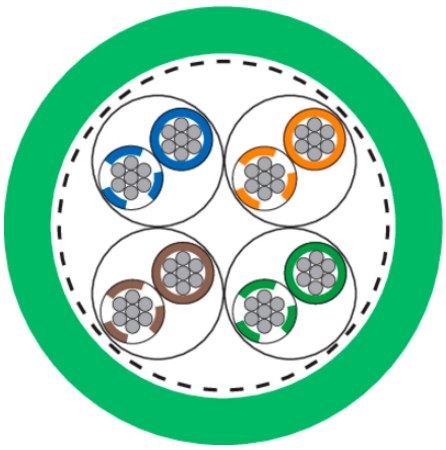
Flexible use

Industrial Ethernet cable Cat.6A for flexible use, 4 pairs, PVC or FRNC outer sheath with UL-approval, 4x2xAWG23/7

Info

For PROFINET applications with 4 pairs
CAT.6_A qualified for 10Gbit/s







- Supplementary automation components from Lapp
- Mechanical and plant engineering
- Suitable for outdoor use
- Flame-retardant
- 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

Application range

for industrial secondary and tertiary cabling according to EN 50173-3
ISO/IEC 24702

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You can find the current technical data in the corresponding data sheet.
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ETHERLINE® PN Cat.6A FLEX

Wiring of machines, tools, devices, appliances and control cabinets
suitable for EtherCAT and EtherNet/IP applications
For flexible applications
(7-wire stranded conductor)

Product features

CAT.6_A for flexible application, qualified for 10Gbit/s
Meets the requirements according to CAT.6A, ISO/IEC 11801 and EN 50173
High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
The oil-resistant PVC sheath enables usage in industrial environments

Norm references / Approvals

UL approvals see data sheet
ETHERLINE® PN Cat.6A Y FLEX: ECOLAB®
Industry standard for innovation and efficiency in the field of professionllen cleaning and disinfection

Product Make-up

7-wire tinned stranded copper conductor
Core insulation: PE
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
PVC or FRNC jacket material
Colour: green (based on RAL 6018)

Technical Data

Classification ETIM 5:	ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Flexing: 15 x outer diameter Fixed installation: 8 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	cable halogenfree compound Fixed installation: -25 °C to +80 °C Occasional flexing: -10 °C to +80 °C cable with PVC jacket Fixed installation: -40 °C to +80 °C Occasional flexing: -10 °Cto +70 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
PROFINET® is a registered trademark of the PNO (PROFIBUS user organisation)
Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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LAPP

ETHERLINE® PN Cat.6A FLEX

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 outer sheath						
2170930	ETHERLINE PN Cat.6_A Y FLEX	4 x 2 x AWG23/7	1.5	8.8	48	92
FRNC outer sheath						
2170931	ETHERLINE PN Cat.6_A FRNC FLEX	4 x 2 x AWG23/7	1.5	8.8	48	87

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