LAPP GROUP

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 10 Gbit/s

UV-resistant

Interference signals

Industrial machinery and plant engineering

Automation & fältinstallation

Suitable for outdoor use

Flame-retardant

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

ETHERLINE® PN Cat.6A FLEX

Application range
for industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702
At 100 Mbit/s: max. 90 m length
Wiring machines, devices, and control cabinets
suitable for EtherCAT and EtherNet/IP applications
For flexible applications (7-wire braided conductor)

Product features
flexible CAT.6$_A$ cable qualified for 10 Gbit/s
Meets the requirements according to CAT.6$_A$, 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
PVC cable is UL/CSA-certified (CMG)
ETHERLINE® PN Cat.6A Y FLEX: **ECOLAB**®
Industry standard for innovations and efficiency in the field of professional cleaning and disinfection
FRNC cable is UL/CSA-certified (CM)

Design
7-wire stranded wire made of tin-plated copper wires
Core insulation: Polyethylene (PE)
S/FTP: Copper braid as overall shielding and pair screening with aluminium compound foil
PVC or FRNC outer sheath material
Colour: green (similar to RAL 6018)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830
	ETIM 5.0 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:	100 ±15 ohm (> 1 MHz)
Temperature range:	Cable with FRNC sheath
	Fixed installation: -25°C to +80°C
	Cable with PVC sheath
	Fixed installation: -40°C to +80°C

Note
Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.
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 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.

Article number	Article designation	Number of pairs and AWG per conductor	Max. outer diameter (mm)	Copper index (kg/km)
PVC outer sheath				
2170930	ETHERLINE PN Cat.6$_A$ Y FLEX	4 x 2 x AWG23/7	9	48
FRNC outer sheath				
2170931	ETHERLINE PN Cat.6$_A$ FRNC FLEX	4 x 2 x AWG23/7	9	48

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