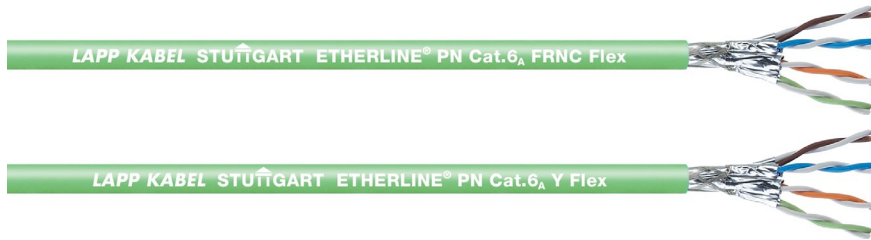


New

ETHERLINE® PN Cat.6_A FLEX



Info

- For PROFINET applications with 4 pairs

Benefits

- For PROFINET applications type B
- Screened against interference
- Industrial use
- Can be used in dry or damp rooms

Application range

- for industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702
- For flexible applications (7-wire stranded conductor)
- Plant engineering, machinery manufacturing
- Suitable for EtherCAT and EtherNet/IP applications

Product features

- CAT.6_A for flexible application, qualified for 10Gbit/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

Norm references / Approvals

- The cable is UL/CSA-approved (CMG)

Product make-up

- Stranded 7-wire bare 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



Peak operating voltage
(not for power applications) 125 V



Minimum bending radius
Fixed installation: see data sheet



Temperature range
Operation: see data sheet



Characteristic impedance
100 ± 15 Ohm (> 1 MHz)

Article number	Article designation	Number of pairs and AWG per conductor	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	9.0	48.0	92
FRNC outer sheath					
2170931	ETHERLINE PN Cat.6 _A FRNC FLEX	4 x 2 x AWG23/7	9.0	48.0	87

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Easy Connect RJ45 Modul Cat.6A 10G refer to page 437
- Connector RJ45 Cat.6A fieldmountable refer to page 423
- Connector industry RJ45 Cat.6A 10 IP68 refer to page 424
- DATA STRIP stripping tool refer to page 911