

ETHERLINE® PN Cat.6A FLEX FC

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

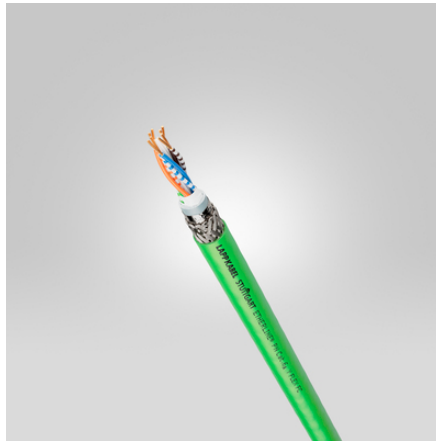
Industrial Ethernet cable Cat.6_A with FC inner sheath for flexible use, PROFINET Type B, 4 pairs, PVC or FRNC outer sheath, 4x2xAWG23/7

Info

For PROFINET applications with 4 pairs

CAT.6_A qualified for 10Gbit/s

Fast and easy cable preparation by FC inner sheath



LAPP KABEL STUTTGART ETHERLINE® PN Cat.6, FLEX FC 4x2xAWG23/7



Supplementary automation components from Lapp



Mechanical and plant engineering



Suitable for outdoor use



Flame-retardant



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

Last Update (17.12.2024)

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Product Management www.lappkabel.de

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
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
Robust, halogen-free FRNC outer sheath

Norm references / Approvals

UL approvals see data sheet
Flame retardant acc. to IEC 60332-1-2

Product Make-up

7-wire bare stranded copper conductor
Core insulation: 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
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
Peak operating voltage:	(not for power applications) 125 V
Minimum bending radius:	Flexing: 8 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	Core/Core: 1500 V AC Core/Screen: 1000 V AC
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	Fixed installation: -40 °C to +80 °C Flexing: -5 °C to +50 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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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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Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)
PVC jacket					
2170586	ETHERLINE® PN CAT.6 _A Y FLEX FC	4x2xAWG23/7	1.15	8.9	57
Halogen-free jacket					
2170587	ETHERLINE® PN CAT.6 _A FRNC FLEX FC	4x2xAWG23/7	1.15	8.9	57