

ETHERLINE® PN Cat.7 FLEX

Fixed Installation

Industrial Ethernet cable Cat.7 for fixed installation
halogenfree, PVC or PUR outer sheath, design 4x2xAWG22/1

Info

Industrial Ethernet cable
For PROFINET applications with 4 pairs
Cat.7 qualified for 10Gbit/s



UV-resistant



Interference signals



Mechanical resistance



Mechanical and plant engineering



Automation & fältinstallation



Flame-retardant

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 (29.11.2017)

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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
max. cable length for 100 Mbit/s up to 10 Gbit/s is 100 m
suitable for EtherCAT and EtherNet/IP applications

Product features

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

Norm references / Approvals

For fixed installation - UL/CSA CMG certification

Product Make-up

Solid bare copper wire AWG23
Core insulation made of polyethylene (PE)
S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
Colour: green (based on 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:	Fixed installation: 4 x outer diameter Flexing: 8 x outer diameter
Characteristic impedance:	nom. 100 Ω acc. to IEC 61156-5
Temperature range:	Cable with PVC jacket Fixed installation: -30°C to +80°C Flexing: -5°C bis +50°C cable halogenfree compound Fixed installation: -25°C to +80°C

Note

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.



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Article number	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter [mm]	Copper index (kg/km)
2170598	4x2xAWG23/7	1.53	8.7	45
2170597	4x2xAWG23/7	1.53	8.7	45

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