

## ETHERLINE® PN Cat.5

Fixed installation

Industrial Ethernet cable Cat.5 for fixed installation, for PROFINET applications type A design 2x2xAWG22/1

### Info

For PROFINET applications type A  
Cat.5/5e



UV-resistant



Interference signals



Industrial machinery and plant engineering



Automation & fältinstallation



Suitable for outdoor use

### Benefits

Can be used in dry or damp rooms  
Screened against interference  
Can be used for Industrial Ethernet in harsh industrial environments  
2pair: 10/100 Mbit/s for Industrial Ethernet

### 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 für 100 Mbit/s is 100 m  
suitable for EtherCAT and EtherNet/IP applications  
ETHERLINE® TRAY ER PN Y FC: installation in open cable trays without any conduit

### Product features

Fixed installation  
CAT.5-Performance  
FC: "Fast Connect" cable design  
Flame-retardant according IEC 60332-1-2  
ETHERLINE® Y FC, ETHERLINE® YY, ETHERLINE® TRAY ER PN Y FC : flame-retardant according to CSA FT-4

## ETHERLINE® PN Cat.5

### Norm references / Approvals

ETHERLINE® Y FC with PLTC approbation and AWM Style 21694

ETHERLINE® PN Cat.5e YY with UL CMG

ETHERLINE® PN Cat.5e Y with UL CMX

ETHERLINE® TRAY ER PN Y FC with PLTC ER approval

### Product Make-up

Solid bare copper wire AWG22

Core insulation: PE

Star quad

Overall screening with copper braid and plastic-laminated aluminium foil

Outer sheath: PVC

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:	See data sheet
Test voltage:	See data sheet
Characteristic impedance:	100 $\Omega$ $\pm$ 15%
Temperature range:	See data sheet

### Note

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

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

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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.

**ETHERLINE® PN Cat.5**

Article number	Article designation	Number of pairs and AWG per conductor	Max. outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
conventional cable assembly					
2170891	ETHERLINE® PN Cat.5e Y	2 x 2 x AWG22/1	6.5	30.4	56
FC: "Fast Connect" cable design					
2170893	ETHERLINE® Y FC Cat.5	2 x 2 x AWG22/1	6.8	30.4	70
2170879	ETHERLINE® TRAY ER PN Y FC	2 x 2 x AWG22/1	6.8	30.4	70
Suitable for outdoor use and direct burial					
2170494	ETHERLINE® Cat.5e YY	2 x 2 x AWG22/1	7.8	30.4	62

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Product Management [www.lappkabel.de](http://www.lappkabel.de)You can find the current technical data in the corresponding data sheet.  
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