

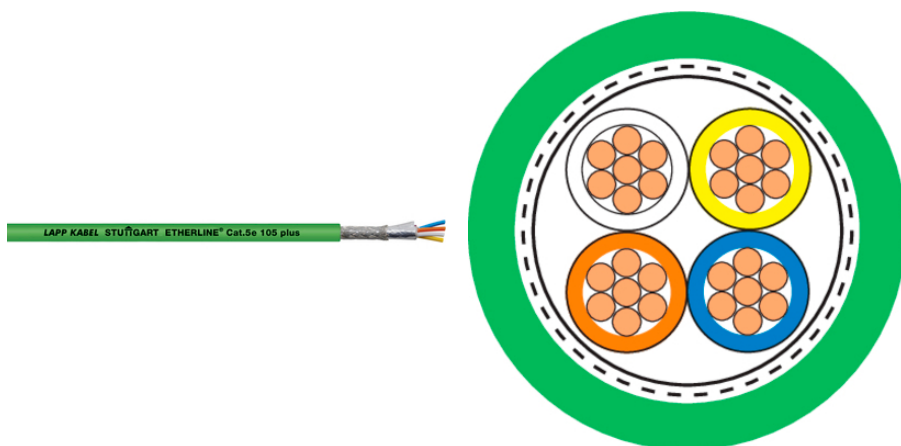
ETHERLINE® Cat.5e 105 plus

Ethernet cable Category 5e, Class D for flexible use

Industrial Ethernet cable Cat.5 for flexible use, PROFINET Type B
design 2x2x2AWG22/7
for high temperature up to 105°C

Info

For PROFINET applications
Extended temperature range
CAT.5-Performance



Supplementary automation components from Lapp



Mechanical and plant engineering



Wind Energy



Mechanical resistance



Interference signals



Temperature-resistant



UV-resistant

Benefits

no need for additional cable protection against high temperatures

High temperature resistance

Industrial use

Last Update (25.04.2024)

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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

ETHERLINE® Cat.5e 105 plus

Premium screening against electromagnetic interference
2pair: 10/100 Mbit/s for Industrial Ethernet

Application range

for installation in hollow shaft between gear units and pitch system
Suitable for fixed installation and occasionally flexible use in high temperature areas
suitable for EtherCAT and EtherNet/IP applications
Wiring of machines, tools, devices, appliances and control cabinets

Product features

Optimum EMC protection
Permanent load up to +105°C, temporary load +120°C

Norm references / Approvals

electrical requirements acc. to IEC 61156-5
Flame retardant acc. to IEC 60332-1-2

Product Make-up

Stranded conductor, 7-wire, bare
Core insulation: PE
Colour-coded in accordance with PROFINET for Cat.5e applications
Overall screening with copper braid and plastic-laminated aluminium foil
Outer sheath: TPE-based
Colour: green (based on RAL 6018)

Technical Data

| | |
|---------------------------|--|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable |
| Minimum bending radius: | Fixed installation: 10 x outer diameter Flexing: 15 x outer diameter |
| Characteristic impedance: | 100 $\Omega \pm 15\%$ |
| Temperature range: | Fixed installation: -40°C to +105°C occasionally flexing: -30°C to +105°C |

Note

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

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 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.

ETHERLINE® Cat.5e 105 plus

| Article number | Article designation | Number of pairs and AWG per conductor | Core diameter in mm | Outer diameter mm | Copper index (kg/km) | Weight (kg/km) |
|----------------|-------------------------------|--|---------------------|-------------------|----------------------|----------------|
| 2170636 | ETHERLINE® Cat.5e 105 plus | 2x2xAWG22/7 | 1.5 | 6.2 | 30.4 | 59 |