



ETHERLINE® PN Cat.5

Fixed installation



Info

- For PROFINET applications type A
- CAT.5/5e

Benefits

- Can be used in dry or damp rooms
- Screened against interference
- Industrial use

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
- Fixed installation
- Suitable for EtherCAT and EtherNet/IP applications

Product features

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

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

Product make-up

- Solid and bare copper conductor
- Core insulation: PE
- Star quad
- Overall screening with copper braid and plastic-laminated aluminium foil
- Outer sheath made of PVC
- Colour: green (based on RAL 6018)

Technical data

- Peak operating voltage**
(not for power applications) 125 V
- Minimum bending radius**
See data sheet
- Test voltage**
See data sheet
- Temperature range**
See data sheet
- Characteristic impedance**
100 Ohm +/- 15%

Article number	Article designation	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2170891	ETHERLINE® PN Cat.5e Y	2 x 2 x AWG22/1	6.4	30.4	56
FC: "Fast Connect" cable design					
2170893	ETHERLINE® Y FC UL/CSA (CMG) CAT.5	2 x 2 x AWG22/1	6.5	30.4	70
Suitable for outdoor use and direct burial					
2170494	ETHERLINE® PN Cat.5e YY	2 x 2 x AWG22/1	7.8	30.4	62

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
 Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
 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.

Accessories

- Connector RJ45 Cat.5e for Profinet refer to page 423
- Easy Connect RJ45 Modul Cat.6A 10G refer to page 437
- BUS M12 connectors that can be assembled
- Connector industry RJ45 Cat.6A 10 IP68 refer to page 424