

## ETHERLINE® HEAT 6722

Industrial Ethernet cable with halogenfree PUR-jacket, tested acc. to ECE-R 118.01, designed acc.to requirements of ISO 6722, Cat.5e up to Cat.7 cables

### Info

Designed according to ISO 6722  
tested acc.to ECE-R 118.01  
For PROFINET applications



Food & Beverage



Mechanical and plant engineering



Suitable for outdoor use



Good chemical resistance



Halogen-free



Interference signals



UV-resistant

### Benefits

Easy to strip and dismantle  
Extended temperature range  
Good resistance to oil, petrol, acids and alkalis  
Abrasion and cut-resistant, halogen-free, oil-resistant  
Reduction of flame propagation, density and toxicity of smoke gases in event of fire

Last Update (05.06.2023)

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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.

PN 0456 / 02\_03.16

## ETHERLINE® HEAT 6722

### Application range

For flexible applications

(7-wire stranded conductor)

For fixed, flexible and protected installations inside buses

Suitable for connecting to of e.g. camera systems, enter-/ infotainment for passengers, ticketing systems

4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

### Product features

Good chemical resistance please see Appendix T1

Flame retardant acc. to ISO 6722-1

temperature class B on the basis of ISO 6722-1

### Norm references / Approvals

DIN/ISO 6722

electrical requirements acc. to IEC 61156-6

tested acc.to ECE-R 118.01

LV 112-1, LV 212-2, LV 213-2

### Product Make-up

Stranded tinned 7-wire conductor

Core insulation: Based on Polyolefin

Colour-coded in accordance with EIA/TIA 568A and B

Cat.5e: SF/UTP - copper braid and foil screening as overall screening

Cat.6A/Cat.7: S/FTP - copper braid as overall screening and pair screening with aluminium compound foil

Outer sheath: PUR compound, halogen-free

outer sheath colour:

Cat.5e green (RAL 6018)

Cat.6A yellow (RAL 1003)

Cat.7 blue (RAL 5021)

### 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

Peak operating voltage:

(not for power applications) 125 V

Minimum bending radius:

Flexing: 15 x outer diameter

Fixed installation: 10 x outer diameter

Characteristic impedance:

nom. 100  $\Omega$  acc. to IEC 61156-6

Temperature range:

Fixed installation: -40 °C to +105 °C 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.

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

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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)	Weight (kg/km)
2170850	ETHERLINE® Cat. 5e FL9YBC11Y 4x2x0,22sn	4x2xAWG24/7	1.2	7.7	38	72
2170581	ETHERLINE® Cat. 6A FL09YBC11Y 4x2x0,22sn	4x2xAWG24/7	1.3	8.1	38	77
2170582	ETHERLINE® Cat. 7 FL09YBC11Y 4x2x0,22sn	4x2xAWG24/7	1.3	8.1	38	77

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