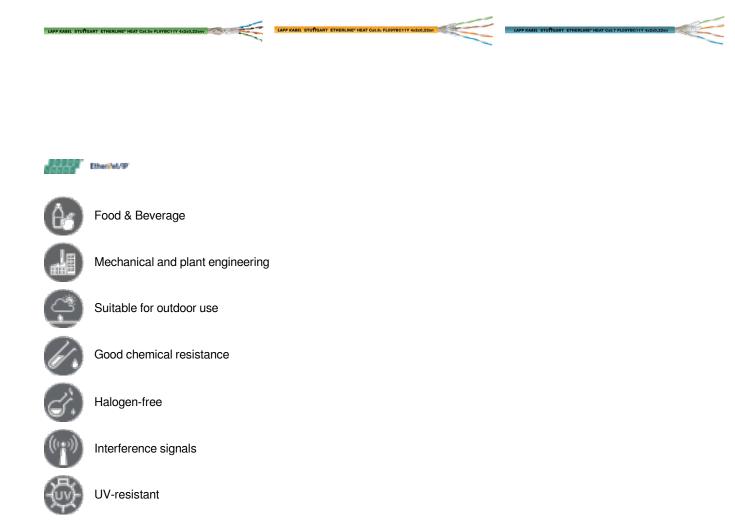


# **ETHERLINE® HEAT 6722**

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



#### **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

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# **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 Ω acc. to IEC 61156-6
Temperature range:	Fixed installation: -40 °C to +105 °CFlexing: -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 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.

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St	Article number	U	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter mm	Copper index (kg/km)	Weight (kg/km)
ate	2170850	ETHERLINE® Cat. 5e FL9YBC11Y 4x2x0,22sn	4x2xAWG24/7	1.2	7.7	38	72
(07.05.2024)	2170581	ETHERLINE® Cat. 6A FL09YBC11Y 4x2x0,22sn	4x2xAWG24/7	1.3	8.1	38	77
24)	2170582	ETHERLINE® Cat. 7 FL09YBC11Y 4x2x0,22sn	4x2xAWG24/7	1.3	8.1	38	77

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