

# UNITRONIC® BUS HEAT 6722

CAN bus cable for utility vehicles

CAN bus cable for use in utility vehicles with extended requirements, like higher temperature range, resistance against UV, operating fluids etc.

## Info

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



## Features



Supplementary automation components from Lapp



e-Mobility



Suitable for outdoor use



Good chemical resistance



Flame-retardant



Halogen-free



Space requirement



Temperature-resistant



UV-resistant

Last Update (09.05.2024)

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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

## UNITRONIC® BUS HEAT 6722

### Benefits

Star-quad stranding, thus less space requirement and weight  
Extended temperature range  
Good resistance to oil, petrol, acids and alkalis

### Application range

Suitable for connecting to of e.g. camera systems, enter-/ infotainment for passengers, ticketing systems  
For fixed, occasionally flexible and protected use inside of utility vehicles

### Product features

Halogen-free outer sheath  
Maximum bit rate: 1 Mbit/s for 40 m segment length  
temperature class B on the basis of ISO 6722-1  
ISO 11898 makes recommendations for the segment length, cable cross section and bit rate  
Flame-retardant according IEC 60332-1-2

### Norm references / Approvals

Standardised internationally in ISO 11898

### Product Make-up

Stranded bare conductor  
PUR outer sheath  
Colour: black  
UV-resistant (but colour may change after some time)  
Screening: wrapped with braided copper wires

### 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
Mutual capacitance:	40 nF/km (800 Hz)
Peak operating voltage:	250 V (not for power transmission)
Conductor resistance:	(loop): max. 159.8 ohm/km
Minimum bending radius:	Flexing: 15 x outer diameter
Test voltage:	Core/core: 1500 V rms
Characteristic impedance:	120 ohm
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.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

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

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

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Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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.

**UNITRONIC® BUS HEAT 6722**

Article number	Article designation	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
2170385	UNITRONIC® BUS HEAT 6722	1 x 4 x 0.25	6.45	26	46
2170386	UNITRONIC® BUS HEAT 6722	1 x 4 x 0.34	7.54	33	61
2170387	UNITRONIC® BUS HEAT 6722	1 x 4 x 0.5	8.36	41	70
2170388	UNITRONIC® BUS HEAT 6722	1 x 4 x 0.75	9.79	59	95