

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



CANopen



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 (17.12.2024)

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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

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

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.

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Article number	Article designation	Number of cores and mm ² 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