UNITRONIC® BUS EIB / KNX

Use in building automation for controlling lighting, heating, air-conditioning, time recording, etc. Temperature range from -30 °C bis +70 °C

Info
EIB / European Installation Bus
KNX / communication in building system technology

Halogen-free

Application range
Use in building system technology, e.g. for decentralised control of lighting, heating, air-conditioning, ventilation, energy management, blinds, time recording, locking systems etc.
The cable can be laid on, in or under plaster; in pipes, cable ducts; in dry, damp or wet environments.
EIB (European Installation Bus) installation mainly consists of sensors/command transmitters (e.g. light barriers, switches, thermostats, infrared, wind meters, timers) and actuators (e.g. motors, heaters, ventilators, lights, blinds).
KNX technology was formed from the merging of three established European bus standards: EIP, EHS (household appliances and consumer electronics) and Batibus (heating/ventilation/air conditioning).

Product features
Serial data transmission
EIB cable has been tested at 4 kV (1 min) in a water bath

Design
Shielded MSR installation cable based on type J-Y(ST)Y according to DIN VDE 0815, single-wire conductor, bare copper, ø 0.8 mm, measurements 2 x 2 x 0.8 ø, stranding of 4 single-wire cores into a star quad, colours of cores: 1st pair red + black, 2nd pair white + yellow.
Screening with aluminium-laminated plastic foil
Outer sheath based on PVC
Colour: green
COMBI version with additional power supply cables 3 x 1.5 mm²; core colours: blue, black, green-yellow

Last Update (06.03.2017)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Operating capacitance:	(800 Hz) max. 100 nF/km
Peak operating voltage:	(not for power applications) 250 V
Conductor resistance:	(loop): max. 73.2 ohm/km
Minimum bending radius:	Fixed installation: 10 x outer diameter
Test voltage:	Core/Core: 4000 V
Temperature range:	Fixed installation: -30 °C to +70 °C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.
Copper price basis: EUR 100/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)
Photographs 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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PRODUCT INFORMATION

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Article number	Article designation	Number of pairs and mm or mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/m)
PVC versions					
2170240	UNITRONIC® BUS EIB	2 x 2 x 0.8	6.6	21	54
2170242	UNITRONIC® BUS EIB COMBI	2 x 2 x 0,8 mm + 3 x 1,5 mm²	12.7	64	128
Halogen-free versions					
2170241	UNITRONIC® BUS EIB H	2 x 2 x 0.8	6.6	21	54

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