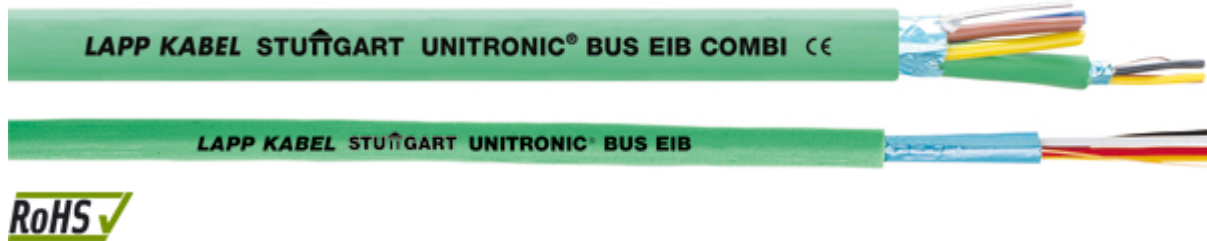


Product Description



Application range

- The product is for use in building management, e.g. for decentralised control of lighting, heating, air-conditioning, ventilation, energy management, blinds, time management, locking systems etc.
- The cable can be laid in, on and under plaster, in pipes and cable ducts, in dry, damp and wet rooms.
- EIB installation mainly consists of Sensors = command transmitters (e.g. light barriers, switches, thermostats, infrared, wind meters, timers) and Actuators (e.g. engines, heaters, ventilators, lights, blinds).
- KNX technology was formed out of joining of the three established european bus standards EIP, EHS (white goods, consumer electronics) and Batibus (heater, ventilator, air condition)

Design

- Screened installation cable based on type J-Y(ST)Y according to DIN VDE 0815, solid bare copper conductor, \varnothing 0.8 mm, measurements 2 x 2 x 0.8 \varnothing . 4 solid cores twisted to a star quad; colours of cores: 1st pair red + black, 2nd pair white + yellow.
- Screening: With aluminium-laminated plastic foil
- PVC based outer sheath
- Colour: green
- COMBI version with additional power supply cables 3 x 1.5 mm², colour coding blue, black, green/yellow

Product features

- Serial data transmission
- EIB bus cable has been tested with 4 kV (1 min) in a water bath

**Technical Data****Mutual capacitance**

(800 Hz): max. 100 nF/km

Peak working voltage

(not for power purposes) 250 V

Conductor resistance

(loop): max. 73,2 Ohm/km

Minimum bending radius

Fixed installation: 10 x cable diameter

Test voltage

Core/core: 4000 V

Range of temperature

Fixed installation: -30°C up to +70°C

Article List

Part number	Article designation	Number of pairs and mm or mm ² 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	21.0	54
2170242	UNITRONIC® BUS EIB COMBI	2 x 2 x 0,8 mm + 3 x 1,5 mm ²	12.7	64.0	128
Halogen-free versions					
2170241	UNITRONIC® BUS EIB H	2 x 2 x 0,8	6.6	21.0	54

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 100 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.