Bus system EIB • Fixed Installation

& LAPP





UNITRONIC® BUS EIB / KNX

LAPP KABEL STUTTGART UNITRONIC® BUS EIB COMBI (6





- EIB / European Installation Bus
- KNX/communication in building management

LAPP KABEL STUTGART UNITRONIC® BUS EIB

Application range

- The product is designed 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 on or under plaster; in pipes, cable ducts; in dry, damp or wet environments.
- 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 from the merging of three established European bus standards: EIP, EHS (household appliances and consumer electronics) and Batibus (heating/ventilation/air conditioning)

Product features

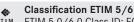
- · Serial data transmission
- EIB cable has been tested at 4 kV (1 min.) in a water bath

Product Make-up

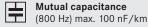
- Screened installation cable based on type J-Y(ST)Y according to DIN VDE 0815
- UNITRONIC® BUS EIB
 Bare solid copper wire
 2x2x0,8: red and black, white and yellow
 Core insulation: PVC
 Overall aluminum foil
 Outer sheath: PVC, green (RAL 6017)
- UNITRONIC® BUS EIBCOMBI
 Bare solid copper wire
 Core insulation: PVC
 2x2x0,8: red and black, white and yellow
 3x1,5: brown, blue, green/yellow
 Overall aluminum foil

Outer sheath: PVC, green (RAL 6017)

Technical data



ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable



Peak operating voltage (not for power applications) 250 V

Conductor resistance (loop): max. 73.2 Ω/km

Minimum bending radius
Fixed installation:
5 x outer diameter

Test voltage
Core/core: 4000 V

Temperature range
Fixed installation: -30°C to +70°C

Article number	Article designation	Number of pairs and mm or mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/m)
PVC					
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 mm ²	12.7	64	128
Halogen-free					
2170241	UNITRONIC® BUS EIB H	2 x 2 x 0.8	6.6	21	54

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 100/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Please find our standard lengths at: www.lappkabel.led/en/cable-standardlengths

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

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.

Accessories

• SENSOR STRIP stripping tool refer to page 987