

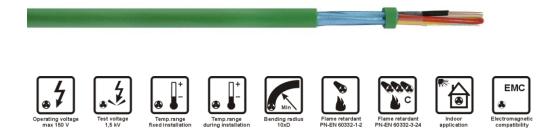


ISO 9001:2008

EIB BUS 2x2x0.8 mm EIB BUS-H 2x2x0.8 mm

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EIB CABLE (European Installation Bus)



APPLICATIONS

EIB BUS and EIB BUS-H cables are intended for connecting control and signalling equipment operating in intelligent buildings according to European Installation Bus (EIB) systems.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

Cables pass combustibility test according to EN 60332-3 standard.

EIB BUS-H cable is applied in locations where, in case of fire, higher safety for human beings and expensive electronic equipment is required. The cable is flame retardant and its smoke emission is low, emitted fumes are non toxic and non corrosive.

The cables are suitable for fixed indoor installations.

CONSTRUCTION of EIB BUS 2x2x0.8 mm

- bare annealed copper single wire round conductors of diameter 0.8 mm,
- PVC insulation white, yellow, red and black,
- insulated conductors twisted into a quad,
- cable core wrapped in a polyester tape,
- overall electrostatic shield incorporating a plastic laminated metal foil and a tinned copper drain wire,
- PVC cable sheath (oxygen index bigger than 29%), green RAL 6018, other colours also available.

CONSTRUCTION of EIB BUS-H 2x2x0.8 mm

- bare annealed copper single wire round conductors of diameter 0.8 mm,
- PE insulation white, yellow, red and black,
- insulated conductors twisted into a quad,
- cable core wrapped in a polyester tape,
- overall electrostatic shield incorporating a plastic laminated metal foil and a tinned copper drain wire,
- cable sheath of halogen free compound, green RAL 6018, other colours also available.

AVAILABLE UPON REQUEST

EIB BUS 3x2x0.8 mm - cable with three pairs.

EIB-CY BUS - tinned copper wire braid shielded cable.





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CHARACTERISTICS

Characteristic impedance

(EIB BUS-H) $100 \pm 20 \Omega$

Mutual capacitance at 1 kHz:

EIB BUS $100 \pm 5 \text{ nF/km}$ EIB BUS-H $47 \pm 5 \text{ nF/km}$

Insulation resistance, minimum 200 M Ω ·km

Operating voltage 150 V

Voltage test 1500 V rms

DC loop resistance at 20°C,

maximum 75 Ω /km

Operating temperature range:

during operation from $-30 \text{ to} + 70 ^{\circ}\text{C}$ during installation from $-5 \text{ to} + 50 ^{\circ}\text{C}$

Minimum bending radius 10 x cable diameter

Cable combustibility flame retardant

Combustibility tests PN-EN 60332-1-2, IEC 60332-1-2

PN-EN 60332-3-24, IEC 60332-3-24 (kat. C)

Reference standards: WT-TK-4

C ∈ the cable meets requirements of the low voltage directive 2014/35/EU

| Product No. | Product symbol | Number of pairs (x 2) x conductor diameter | Cable outer diameter (appr.) | Copper index | Cable weight (appr.) |
|-------------|-------------------|--|---------------------------------------|--------------|----------------------|
| | | mm | mm | kg/km | kg/km |
| 0626 001 | EIB BUS | 2 x 2 x 0,8 | 6.1 | 20.5 | 53 |

| Product No. | Product symbol | Number of pairs (x 2) x conductor diameter | Cable outer diameter (appr.) | Copper index | Cable weight (appr.) |
|-------------|-------------------|---|---------------------------------------|--------------|----------------------------|
| | | mm | mm | kg/km | kg/km |
| 1269 001 | EIB BUS-H | 2 x 2 x 0,8 | 6.2 | 20.5 | 48 |

Other diameters and pair counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.