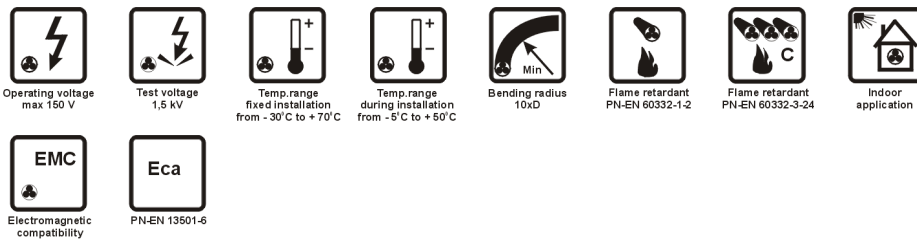


## EIB BUS, EIB BUS-H



### 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 EIB BUS 2x2x0.8

- 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 EIB BUS-H 2x2x0,8

- 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.



## CHARACTERISTICS

Characteristic impedance (EIB BUS-H)	100 ± 20 Ω
<b>Mutual capacitance at 1 kHz:</b>	
EIB BUS	100 ± 5 nF/km
EIB BUS-H	47 ± 5 nF/km
Insulation resistance, minimum	200 MΩ · km
Operating voltage	150 V
Voltage test	1500 V rms
DC loop resistance at 20°C, maximum	75 Ω/km
<b>Operating temperature range:</b>	
during operation	from - 30 to + 70 °C
during installation	from - 5 to + 50 °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
Oil resistance	PN-EN 60811-404
Reference standards	WT-TK-4
CPR – class reaction on fire	Eca
DoP declarations are available at	<a href="http://technokabel.com.pl">technokabel.com.pl</a>

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Product symbol	Number of pairs 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
1269 001	EIB BUS-H	2 x 2 x 0.8	6.2	20.5	48

TECHNOKABEL SA reserves the right to change specifications without prior notice.