



## Type Cable structure

Inner conductor:  
Core insulation:  
Core colours:  
Stranding element:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Drain wire:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

**2-pairs  
2x2x0.8 mm**  
Copper, bare  
PE  
wh, ye, rd, bk  
Star quad  
Polyester foil over stranded bundle  
-  
Polyester foil, aluminium-lined  
yes  
FRNC  
6,6 mm ± 0,3 mm  
Blue Lilac similar to RAL 4005

**4-pairs  
4x2x0.8 mm**  
Copper, bare  
PVC  
wh, ye, rd, gn, bu, bn, wh, wh  
Double core  
Polyester foil over stranded bundle  
-  
Polyester foil, aluminium-lined  
yes  
PVC  
8,2 mm ± 0,4 mm  
Blue Lilac similar to RAL 4005

## Electrical data

Characteristic impedance:  
Conductor resistance:  
Insulation resistance:  
Mutual capacitance:

100 Ohm  
73,2 Ohm/km max.  
0,10 GOhm x km min.  
100,0 nF/km nom.

100 Ohm  
73,2 Ohm/km max.  
0,10 GOhm x km min.  
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## Technical data

Weight:  
Min. bending radius for laying:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx value:  
Copper value:

approx. 54,0 kg/km  
95,0 mm  
-30 °C  
+70 °C  
0,58 MJ/m  
25,0 kg/km

approx. 92,0 kg/km  
120,0 mm  
-30 °C  
+70 °C  
1,37 MJ/m  
41,0 kg/km

## Norms

Applicable standards:

EIB standard

EIB standard

## Application

The E-bus cable is used for the transmission of bus signals for intelligent systems in buildings. The cables ensure perfect communication in accordance with EIB regulations (European installation bus). They can be layed over, in, or below the plaster, in pipes and pipe ducts, in dry, moist, and wet areas, as well as outside, provided they are protected against direct exposure to the sun. Wiring together with high-power supply cables is possible without limitation. The EIB bus can be used to control lighting, blinds, heating, ventilation, indicator boards, etc.

## Part no.

**80826**, E-BUS

**81077**, E-BUS