# BUS Cables



## 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:

## **Electrical data**

Characteristic impedance: Conductor resistance, max.: Insulation resistance, min.: Loop resistance: Mutual capacitance:

#### **Technical data**

Weight: bending radius, repeated: Operating temperature range min.: Operating temperature range max.: Caloric load, approx. value: Copper weight:

#### Norms

Applicable standards:

## 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.

81081, E-BUS

2-pairs

Copper, bare

wh, ye, rd, bk

Star quad

PVC

yes

PVC

100 Ohm

95 mm

-30°C

+70°C

0,90 MJ/m

25,00 kg/km

FIB standard

73,2 Ohm/km

0.1 GOhm x km

146 Ohm/km max.

100 nF/km nom.

approx. 54 kg/km

2x2x0.8 mm

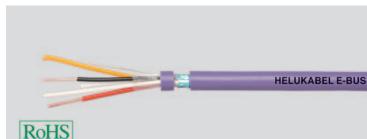
Polyester foil over stranded bundle

Polyester foil, aluminium-lined

approx.  $6.6 \text{ mm} \pm 0.3 \text{ mm}$ 

Blue Lilac similar to RAL 4005

#### Dimensions and specifications may be changed without prior notice.



#### 2-pairs 2x2x0.8 mm

Copper, bare PVC wh, ye, rd, bk Star quad Polyester foil over stranded bundle

HELUKABE

PVC

Polyester foil, aluminium-lined yes PVC approx. 6,6 mm  $\pm$  0,3 mm Green similar to RAL 6010

100 Ohm 73,2 Ohm/km 0,1 GOhm x km 146 Ohm/km max. 100 nF/km nom.

approx. 54 kg/km 95 mm -30°C +70°C 0,90 MJ/m 25,00 kg/km

EIB standard









