# **BUS Cables**

#### **E-BUS**





## **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: Test voltage:

#### **Technical data**

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

#### **Norms**

Applicable standards:



### 2-pairs 2x2x0.8 mm

Copper, bare

PVC wh, ye, rd, bk Star quad Polyester foil over stranded bundle Polyester foil, aluminium-lined PVC app.  $6,6 \text{ mm} \pm 0,3 \text{ mm}$ 

Blue Lilac similar to RAL 4005

100 Ohm 73,2 Ohm/km 0.1 GOhm x km 146 Ohm/km max. 100 nF/km nom. 4 kV

app. 64 kg/km 95 mm -30°C +70°C 0,90 MJ/m 25,00 kg/km

EIB standard

Flame-retardant acc. to EN 50265-2-1

## 2-pairs 2x2x0.8 mm

Copper, bare PVC wh, ye, rd, bk Star quad

Polyester foil over stranded bundle

Polyester foil, aluminium-lined

PVC

app.  $6,6 \text{ mm} \pm 0,3 \text{ mm}$ Green similar to RAL 6010

100 Ohm 73,2 Ohm/km 0.1 GOhm x km 146 Ohm/km max. 100 nF/km nom. 4 kV

app. 64 kg/km 95 mm -30°C +70°C 0,90 MJ/m 25,00 kg/km

**EIB** standard

Flame-retardant acc. to EN 50265-2-1

# **Application**

HELUKABEL® E-BUS PVC for fixed installation. The E-Bus cable is intended for transmission of bus signals in intelligent building systems. The cables ensure perfect communication in compliance with EIB regulations. They can be installed over, in and under plaster, in conduits and cable channels, in dry, damp and wet rooms as well as outdoors - if protected from direct sunlight. Wiring together with high-power 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 81663, E-BUS

Dimensions and specifications may be changed without prior notice.

# **BUS Cables**

#### **E-BUS**





# 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:

#### **Electrical data**

Outer sheath colour:

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

#### **Technical data**

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

#### Norms

Applicable standards:



### 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

app.  $6,6 \text{ mm} \pm 0,3 \text{ mm}$ 

Blue Lilac similar to RAL 4005

100 Ohm 73,2 Ohm/km 0,1 GOhm x km 146 Ohm/km max. 100 nF/km nom. 4 kV

app. 54 kg/km 95 mm -30°C +70°C 0,58 MJ/m 25,00 kg/km

EIB standard Halogen-free acc. to 60754-2 Flame-retardant acc. to EN 50265-2-1

## 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 app. 8,2 mm ± 0,4 mm Blue Lilac similar to RAL 4005

100 Ohm 73,2 Ohm/km 0,1 GOhm x km 146 Ohm/km max. 100 nF/km nom. 4 kV

app. 92 kg/km 120 mm -30°C +70°C 1,37 MJ/m 41,00 kg/km

EIB standard

Flame-retardant acc. to EN 50265-2-1

## **Application**

HELUKABEL® E-BUS FRNC + PVC for fixed installation. If the application requires a halogen-free installation, the FRNC version is the right choice. The E-Bus cable is intended for transmission of bus signals in intelligent building systems. The cables ensure perfect communication in compliance with EIB regulations. They can be installed over, in and under plaster, in conduits and cable channels, in dry, damp and wet rooms as well as outdoors - if protected from direct sunlight. Wiring together with high-power 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

Dimensions and specifications may be changed without prior notice.



网址: www.zenith-industrial.com





# **BUS Cables**

#### **E-BUS DIRECT BURIAL**





# Type Cable structure

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

#### **Electrical data**

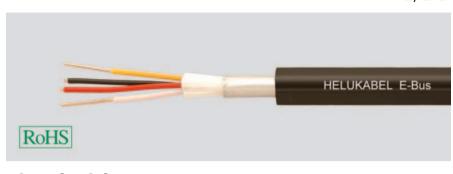
Characteristic impedance: Conductor resistance, max.: Insulation resistance, min.: Loop resistance: Mutual capacitance: Test voltage:

#### **Technical data**

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

#### **Norms**

Applicable standards:



# Direct burial 2x2x0.8 mm

Copper, bare
PE
wh, ye, rd, bk
Star quad
Polyester foil over stranded bundle
Polyester foil, aluminium-lined
PE
app. 8,8 mm ± 0,3 mm
Black similar to RAL 9005

100 Ohm 73,2 Ohm/km 5 GOhm x km 146 Ohm/km max. 55 nF/km nom. 0,8 kV

app. 75 kg/km 130 mm -20°C +70°C 2,00 MJ/m 25,00 kg/km

EIB standard

Halogen-free acc. to 60754-2

#### Application

HELUKABEL® E-BUS ERD with PE jacket for fixed installation in the ground or outdoors and as a connection between buildings or to EIB components on the building. They can be installed over, in and under plaster, in conduits and cable channels, in dry, damp and wet rooms as well as outdoors - if protected from direct sunlight. Wiring together with high-power cables is possible without limitation. The EIB bus can be used to control lighting, blinds, heating, ventilation, indicator boards etc.

Part no. 802800, E-BUS BURIAL

Dimensions and specifications may be changed without prior notice.