

BUS Cables

E-BUS

HELUKABEL®

FRNC + PVC



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

Electrical data

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

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

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

Technical data

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

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

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

Dimensions and specifications may be changed without prior notice.