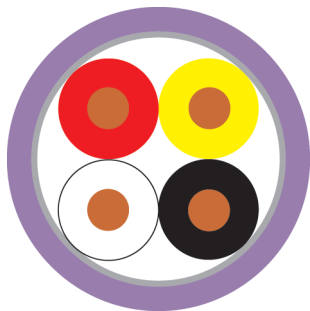


BUS Cables

E-BUS / KNX fixed installed

HELUKABEL®

FRNC + PVC



Type Cable structure

Inner conductor:
Core insulation:
Core colours:
Stranding element:
Separator:
Shielding 1:
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
-
Al-Foil
yes
FRNC
app. 6,2 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
-
Al-Foil
yes
PVC
app. 8,6 mm ± 0,3 mm
Blue Lilac similar to RAL 4005

Electrical data

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

100 Ohm
36,6 Ohm/km
0,1 GOhm x km
73,2 Ohm/km max.
120 nF/km nom.
4 kV

100 Ohm
36,6 Ohm/km
0,1 GOhm x km
73,2 Ohm/km max.
120 nF/km nom.
4 kV

Technical data

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

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

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

Norms

Applicable standards:

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

EIB/KNX standard
Flame-retardant acc. to EN 50265-2-1

Application

HELUKABEL® E-BUS / KNX 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/KNX 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/KNX bus can be used to control lighting, blinds, heating, ventilation, indicator boards etc.

Part no.

80826, E-BUS / KNX

81077, E-BUS / KNX

Dimensions and specifications may be changed without prior notice.