

BUS Cables

E-BUS / KNX fixed installed



PVC + FRNC



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
PVC
wh, ye, rd, bk
Star quad
Polyester foil over stranded bundle
-
Al-Foil
yes
PVC
app. 6,2 mm ± 0,3 mm
Green similar to RAL 6010

2-pairs 2x2x0.8 mm

Copper, bare
PE
wh, ye, rd, bk
Star quad
Polyester foil over stranded bundle
-
Al-Foil
yes
FRNC
app. 6,6 mm ± 0,3 mm
Green

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
73,2 Ohm/km
0,1 GOhm x km
146,4 Ohm/km max.
100 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. 64 kg/km
95 mm
-30°C
+70°C
0,90 MJ/m
25,00 kg/km

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

Norms

Applicable standards:

EIB/KNX standard
Flame-retardant acc. IEC 60332-2-1

EIB/KNX standard
Halogen-free acc. to 60754-1
Flame-retardant acc. IEC 60332-2-1

Application

Part no.

81663, E-BUS / KNX

804042, E-BUS / KNX

Dimensions and specifications may be changed without prior notice.