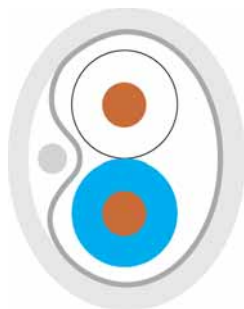


# BUS Cables

LON BUS H122 + Y116

**HELUKABEL®**

FRNC + PVC



## Type

### Cable structure

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

### Fixed installation, indoor 1x2xAWG 22/1

Copper, bare (AWG 22/1)  
Foam-skin-PE  
wh, bu  
Double core  
Polyester foil over stranded bundle  
-  
Al-Foil  
yes  
FRNC  
app. 4,4 mm ± 0,3 mm  
White

### Mobile use

### 1x2xAWG 16/19

Copper, tinned (AWG 16/19)  
PVC  
wh, bk  
Double core  
Polyester foil over stranded bundle  
-  
-  
-  
PVC  
app. 7,0 mm ± 0,4 mm  
Grey similar to RAL 7001

### Electrical data

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

100 Ohm ± 10 %  
57 Ohm/km  
5 GOhm x km  
114 Ohm/km max.  
45 nF/km nom.  
125 V  
0,7 kV

85 Ohm ± 15 %  
14 Ohm/km  
0,02 GOhm x km  
28 Ohm/km max.  
100 nF/km nom.  
300 V  
2 kV

### Technical data

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

app. 25 kg/km  
70 mm  
-20°C  
+75°C  
0,337 MJ/m  
11,00 kg/km  
Halogen-free acc. to 60754-1  
Flame-retardant acc. to IEC 60332-1-2

app. 65 kg/km  
85 mm  
-20°C  
+80°C  
1,25 MJ/m  
30,00 kg/km  
Flame-retardant acc. to IEC 60332-1-2

### Application

HELUKABEL® LON BUS H122 FRNC for fixed installation; version Y116 for mobile applications. For both versions: Use indoors is in fixed installations (H122) and as a patch cable (Y116) and must comply with DIN EN 50090-2-2 (VDE 0892 Part 2-2:1997-06).

### Part no.

**802187**, LON H122

**802188**, LON Y116

Dimensions and specifications may be changed without prior notice.