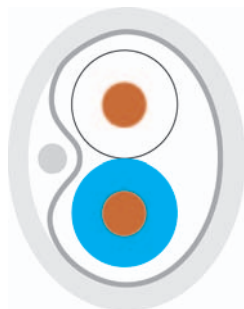


# BUS Cables

LON BUS

**HELUKABEL®**

H112 + Y116



## Type

### Cable structure

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

## Fixed installation, indoor

### 1x2xAWG 22/1

Copper, bare (AWG 22/1)  
PE  
wh, bu  
Double core  
Polyester foil over stranded bundle  
-  
Polyester foil, aluminium-lined  
yes  
FRNC  
approx. 4,4 mm ± 0,3 mm  
White

## Mobile use

### 1x2xAWG 16/19

Copper, bare (AWG 16/19)  
PVC  
wh, bk  
Double core  
Polyester foil over stranded bundle  
-  
-  
-  
PVC  
approx. 7,0 mm ± 0,4 mm  
Grey

## 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 %  
15,8 Ohm/km  
0,02 GOhm x km  
31 Ohm/km max.  
10 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:

approx. 24 kg/km  
70 mm  
-20°C  
+75°C  
0,337 MJ/m  
11,00 kg/km

approx. 71 kg/km  
85 mm  
-20°C  
+80°C  
1,25 MJ/m  
30,00 kg/km

## Application

The LON bus (Local Operating Network) is a system used in building automation systems. It has the great advantage that it allows usage of different transmission media. It is used in the interior as hard wiring (H122) and as patch cable (Y116) and must be made in accordance 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.