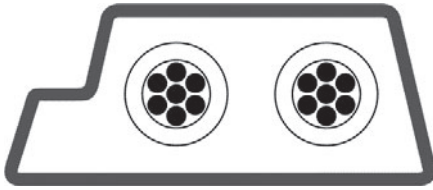


# BUS Cables

A-BUS

 **HELUKABEL®**

EPDM



## Type Cable structure

Inner conductor:  
Core insulation:  
Core colours:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Outer sheath material:  
Outer sheath colour:

## Actuator Sensor Interface 2x1.5 mm<sup>2</sup>

Copper, tinned  
Rubber compound  
bu, bn  
-  
-  
-  
EPDM  
Yellow similar to RAL 1023

## Actuator Sensor Interface 2x1.5 mm<sup>2</sup>

Copper, tinned  
Rubber compound  
bu, bn  
-  
-  
-  
EPDM  
Black similar to RAL 9005

## Electrical data

Conductor resistance, max.:  
Insulation resistance, min.:  
Loop resistance:  
Nominal voltage:  
Test voltage:

13,7 Ohm/km  
1 GOhm x km  
27 Ohm/km max.  
32 V  
1 kV at 15 min.

13,7 Ohm/km  
1 GOhm x km  
27 Ohm/km max.  
48 V  
1 kV at 15 min.

## Technical data

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

approx. 70 kg/km  
30 mm  
-40°C  
+85°C  
0,975 MJ/m  
31,00 kg/km

approx. 70 kg/km  
30 mm  
-40°C  
+85°C  
0,975 MJ/m  
31,00 kg/km

## Norms

Applicable standards: ASI standard

ASI standard

## Application

AS components are interconnected with this special system cable. With the AS interface, the cable assembly from the control system to the sensor/actuator is not needed. The AS interface is the field bus system that transmits both data and power in one single cable. With fast contacting in penetration technique, the possibility of errors in cabling is largely reduced. The special outer jacket provides protection against bio-oil, grease, and refrigerant lubricants, and the cable is therefore even suitable for applications in wet surroundings, in machinery and plant construction, as well as in the machine tool and automotive industry.

## Part no.

**80824**, A-BUS EPDM

**80825**, A-BUS EPDM

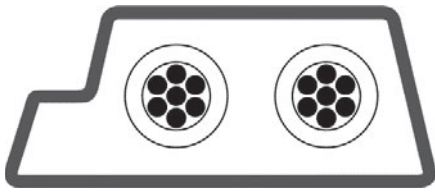
Dimensions and specifications may be changed without prior notice.

# BUS Cables

A-BUS

**HELUKABEL®**

PUR, UL/CSA



## Type Cable structure

Inner conductor:  
Core insulation:  
Core colours:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Outer sheath material:  
Outer sheath colour:

## Actuator Sensor Interface 2x1.5 mm<sup>2</sup>

Copper, tinned  
PO  
bu, bn  
-  
-  
-  
PUR  
Yellow similar to RAL 1023

## Actuator Sensor Interface 2x1.5 mm<sup>2</sup>

Copper, tinned  
PO  
bu, bn  
-  
-  
-  
PUR  
Black similar to RAL 9005

## Electrical data

Conductor resistance, max.:  
Insulation resistance, min.:  
Loop resistance:  
Nominal voltage:  
Test voltage:

13,7 Ohm/km  
1 GOhm x km  
27 Ohm/km max.  
32 V  
1 kV at 15 min.

13,7 Ohm/km  
1 GOhm x km  
27 Ohm/km max.  
48 V  
1 kV at 15 min.

## Technical data

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

approx. 64 kg/km  
30 mm  
-40°C  
+80°C  
0,965 MJ/m  
31,00 kg/km

approx. 64 kg/km  
30 mm  
-40°C  
+80°C  
0,965 MJ/m  
31,00 kg/km

## Norms

Applicable standards:  
UL Style:  
CSA standard:

ASI standard  
AWM Style 20549/10493  
CSA FT2

ASI standard  
AWM Style 20549/10493  
CSA FT2

## Application

AS components are interconnected with this special system cable. With the AS interface, the cable assembly from the control system to the sensor/actuator is not needed. The AS interface is the field bus system that transmits both data and power in one single cable. With fast contacting in penetration technique, the possibility of errors in cabling is largely reduced. The special outer jacket provides protection against oil, grease, and refrigerant lubricants, and the cable is therefore even suitable for applications in wet surroundings, in machinery and plant construction, as well as in the machine tool and automotive industry. The PUR variant is suitable for heavy-duty industrial environments. These types are certified for the American market (UL 1581, FT2) through the use of special materials.

## Part no.

**82434**, A-BUS PUR

**82822**, A-BUS PUR

Dimensions and specifications may be changed without prior notice.

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