



Type Cable structure

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

Actuator Sensor Interface 2x1.5 mm²

Copper, tinned
TPE
bu, bn
-
-
-
-
PVC
Yellow similar to RAL 1023

Copper, tinned
TPE
bu, bn
-
-
-
-
PVC
Black similar to RAL 9005

Electrical data

Conductor resistance: 13,7 Ohm/km max.
Insulation resistance: 1,00 GOhm x km min.
Nominal voltage: 32 V
Test voltage: 1,0 kV bei 15 min.

13,7 Ohm/km max.
1,00 GOhm x km min.
48 V
1,0 kV bei 15 min.

Technical data

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

approx. 70,0 kg/km
24,0 mm
-40 °C
+105 °C
0,66 MJ/m
31,0 kg/km

approx. 70,0 kg/km
24,0 mm
-40 °C
+105 °C
0,65 MJ/m
31,0 kg/km

Norms

Applicable standards:
UL Style:
CSA standard:

ASI standard
CMG 90°C or CL2
CSA FT 4

ASI standard
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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 many oils, 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. These variations are certified for the American market (UL 758) through the use of special materials.

Part no.

81508, A-BUS UL

81509, A-BUS UL