



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

Actuator Sensor Interface 2x1.5 mm²

Copper, tinned
Rubber compound
bu, bn
-
-
-
EPDM
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
30,0 mm
-40 °C
+85 °C
0,98 MJ/m
31,0 kg/km

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