



ASI-Bus

Application:

ASI is standardized Europe-wide in EN 50295 and internationally in IEC 62026-2. Network system for the lowest field level (binary sensors and actuators). Data and energy are transmitted between control unit and peripherals via an unscreened, geometrically coded two-core flat cable (pole safe). The conductor is contacted by piercing technology within the ASI-modules. 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.



Construction:

Type/Area of Application	Actuator Sensor Interface
Cable Construction	2x1.5 mm ²
Inner Conductor Diameter	Copper, tinned
Conductor Insulation	Rubber Compound /TPE
Conductor Colors	Blue, brown
Stranding Element	-
Shielding	-
Shielding 2	-
Total Shielding	-
Outer Jacket Material	EPDM/PUR/ PVC/PE
Outer Jacket Color	Yellow /Black



Electrical Data:

Conductor Resistance	27.4 Ohm/km max.
Insulation Resistance	1.00 GOhm x km min.
Working Voltage	Max: 300 V
Test Voltage	1.0 KV at 15 min.

Technical Data:

Weight	approximately 57.0 kg/km
Min. Bending Radius (Laying)	6 x OD mm
Operating Temp.Range, min.	- 40 °C
Operating Temp.Range, max.	+85 °C

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