



## 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 <sup>2</sup>
Inner Conductor Diameter	Copper, tinned
Conductor Insulation	Rubber Compound /TPE
Conductor Colors	Blue, brown
Stranding Element	-
Shielding	-
Shielding 2	-
Total Shielding	-
Outer Jacket Material	PVC(static installation) EPDM/PUR(flexible installation) TPE(continuous flexible installation)
Outer Jacket Color	Yellow /Black





## Electrical Data:

Conductor Resistance	13.7 Ohm/km max.
Insulation Resistance	1.00 GOhm x km min.
Working Voltage	Max: 300 V
Test Voltage	2.0 KV core to core

## Technical Data:

Weight	approximately 57.0 kg/km
Min. Bending Radius (Laying)	6 x OD mm
Operating Temp.Range	- 30 °C~ 90°C(PVC) - 40 °C~ 105°C(Other material)

\* ASI is a registered trademark of AS-International Association

