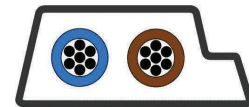


AS-I BUS Yellow or Black



AS-I - Actuator-Sensor-Interface is a special system cable. With **AS-I**, the cable assembly from the control system is not needed. **AS-I** cables are used in network systems for the lowest field level of automation and communication technology. This flat cable consists of two cores which transmit both data and power. The contact is made by special technology by piercing through the outer jacket and core insulation with **AS-I** modules. A specially designed grooved jacket ensures installations and connection errors are minimized. The jacket provides resistance to oils, grease and refrigeration lubricants. **AS-I** versions in TPE and PUR are suitable for wet surroundings in machinery, plant construction, machine tools and automotive industry.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC or rubber-based core insulation
- Color code VDE-0293 (blue & brown)
- Cores laying parallel
- PVC, EPDM, PUR or TPE outer jacket
- Special notch in outer jacket
- Yellow (like RAL 1023) or Black (RAL 9005)
- **Extremely oil & chemical resistant**

- ** Yellow for 32-volt data & power
- ** Black for 48-volt auxiliary power

Technical:

- Working voltage: 300 volts
- Test voltage: 2000 volts
- Flexing bending radius: 6 x Ø
- Static bending radius: 3 x Ø
- EPDM temp: -40° C to +85° C
- TPE temp: -40° C to +105° C
- PVC temp: -30° C to +90° C
- PUR temp: -40° C to +85° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km
- Impedance: 70-140Ω

Approvals:

- AS International standards
- EN 50295
- IEC 62026-2
- UL 758 & CSA (PVC + TPE Only)
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant



PART NUMBER	CORES	JACKET	COLOR	CU LBS/MFT	WT LBS/MFT
16 AWG (30/30) 1,50mm²					
8001602	2	EPDM	Yellow	19	37
8011602	2	EPDM	Black	19	37
8021602	2	TPE	Yellow	19	37
8031602	2	TPE	Black	19	37
8041602 - UL/CSA	2	PVC	Yellow	19	37
8051602 - UL/CSA	2	PVC	Black	19	37
8061602 - UL/CSA	2	TPE	Yellow	19	37
8071602 - UL/CSA	2	TPE	Black	19	37
8081602	2	PUR	Yellow	19	44
8091602	2	PUR	Black	19	44

*Other constructions and colors may be available.

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