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ASI-Bus

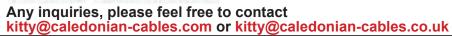
Application:

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 | 1 |
| 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