

ASi bus cable

Function

The **ASi bus cable** is a two-core, flat fieldbus line for AS interface (Actuator-Sensor Interface) and network systems of the lower field range. The data for ASi I/Os, controllers, repeaters, extenders and sensors are transferred through the unshielded, geometrically coded two-wire flat line. The contacting of the conductors is rendered without stripping by means of access technology of the ASi modules. The line is suitable for permanent installation and flexible use in rooms.

Electrical parameters

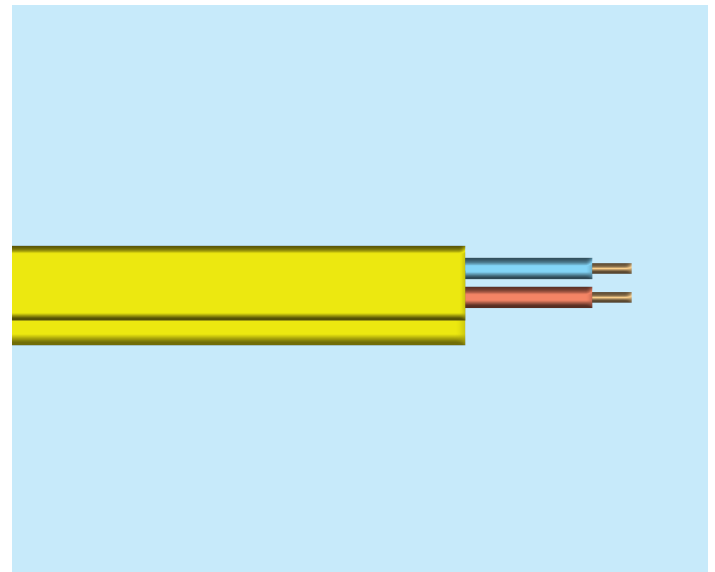
- Surge impedance at 167 kHz: 70 - 140 Ohm
- Conductor resistance acc. to VDE 0295 in max.: 27.4 Ohm / km
- Capacity in max.: 80 nF / km
- Inductivity in: 0.5 to 0.75 mH / km
- Volume resistivity: min. 10 Ohm x cm

Design

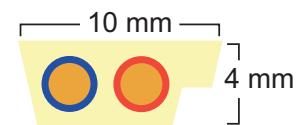
- Conductor: copper litz wire, tin-plated, 2 x 1.5 mm², extra finely stranded acc. to VDE 0295, class 6
- Single-wire diameter: 0.16 mm.
- Insulating cover: rubber mixture EM3 acc. to DIN VDE 0207, Part 21, wall thickness 0.5 mm, core diameter: 2.5 mm sheath colour yellow, RAL 1012 sheath colour black, RAL 9005
- Core arrangement: 2 cores in parallel, brown core arranged at the profile nose side

Mechanical and technical properties

- Operating temperature: moved: -30°C to 85°C perman. laid: -40°C to 85°C
- Min. bending radius: moved: 3 x line diameter perm. laid: 6 x line diameter
- Burning behaviour: flame retardant based on IEC 707 VDE 0304, Part 3 FH 2-25
- Allowable pulling force for laying: max. 150 N



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Engineering drawing

Ordering details

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Art. No.

120050000