

LAPP KABEL STUHLART UNITRONIC® BUS ASI

The new BUS ASI LD 2 x 2.5 (Long Distance) allows even modules located further away to be connected. AS-I power supplies can be reduced. The BUS ASI LD is downwards-compatible with version 1.5; The rubber versions are halogen-free

- “LD” = Long Distance



## Product description

### Application range

- Communication at sensor/actuator level
- UNITRONIC® Fieldbus sensor-/actuator wiring
- For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- The TPE version has an oil-resistant outer sheath. It is suitable for wet areas, in particular in conjunction with water-soluble cooling lubricants.

### Benefits

- The new BUS ASI LD 2 x 2.5 (Long Distance) allows even modules located further away to be connected. AS-I power supplies can be reduced. The BUS ASI LD is downwards-compatible with version 1.5.
- The rubber versions are halogen-free

## Product Make-up

- Extra-fine wire, tinned copper strands
- Core insulation: blue and brown
- Profiled outer sheath made of rubber (G), thermoplastic elastomers (TPE) or PVC
- Colour: yellow (RAL 1023) or black (RAL 9005)
- Colour: red (RAL 3000)

## Norm references / Approvals

- ASI is standardised Europe-wide in EN 50295 and internationally in IEC 62026-2.
- PVC version has UL/CSA (CMG) approval.
- UL/CSA version: CMGc(UL)us or (UL)CL2 or AWM 300V FT4 approval

## Product features

- Data and power are transmitted via an unscreened, geometrically coded two-core flat cable (protection against polarity reversal).
- The conductor is contacted by "piercing technology" within the ASI modules.
- The sensors are connected to the ASI modules (coupling modules) using round cables (connection cables).

## Technical Data

Peak operating voltage	Yellow: 300 V (not for power applications) Black: 300 V (not for power applications) Red: 300 V
Conductor resistance	1.5 mm <sup>2</sup> : max. 13.7 Ohm/km 2.5 mm <sup>2</sup> : max. 8.21 Ohm/km
Minimum bending radius	Fixed installation: 12 mm Flexible use 24 mm
Test voltage	Core/core: 2000 V
Temperature range	Dependent on outer sheath material: PVC: -30°C to +90°C Other materials: -40°C to +85°C During installation: PVC -20 °C to +90 °C Other materials: -30 °C to +85 °C