

LAPP KABEL STUTTGART UNITRONIC® BUS ASI FD

Highly flexible application

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; For highly flexible applications (power chains, moving machine parts); High oil-resistance

- "FD" = suitable for power chains
- "LD" = Long Distance



Product description

Application range

- Communication at sensor/actuator level
- UNITRONIC® Fieldbus
sensor-/actuator wiring

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.
- For highly flexible applications (power chains, moving machine parts)
- High oil-resistance

Product Make-up

- Extra-fine wire, tinned copper strands
- Core insulation: blue and brown
- Profiled outer sheath: TPE or PUR
- Colour: yellow (RAL 1023) or black (RAL 9005)

Norm references / Approvals

- ASI is standardised Europe-wide in EN 50295 and internationally in IEC 62026-2.
- TPE variant: UL AWM Style 2103
CSA AWM II A/B
- PUR versions: UL AWM Style 20549

Product features

- PUR versions are halogen-free according to IEC 60754-1
- Flame-retardant according to IEC 60332-1-2, UL FT-2 flame test
- 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	300 V (not for power applications)
Conductor resistance	1.5 mm ² : max. 13.7 Ohm/km 2.5 mm ² : max. 8.21 Ohm/km
Minimum bending radius	Fixed installation: 12 mm Flexing without fixing: 24 mm Flexing with fixing: 60 mm (15 x D)
Test voltage	Core/core: 2000 V
Temperature range	Fixed installation: -40°C to +80°C (TPE +105°C) Flexing – without fixing: -30 °C to +70 °C (TPE +105 °C)