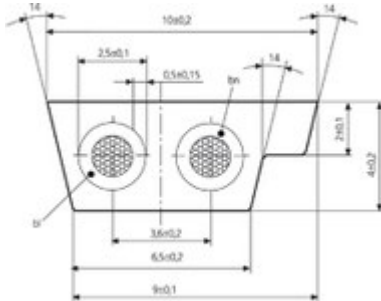


Product Description



LAPP KABEL STUTTGART UNITRONIC® BUS ASI

LAPP KABEL STUTTGART UNITRONIC® BUS ASI



Application range

- Communication at Sensor / Actuator level
- UNITRONIC® Fieldbus sensor-/actuator wiring requirements
- Fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- PUR version has an oil resistant outer sheath for use in industrial environments (e. g. wet areas in automotive industry, processing centres, also in connection with coolants/lubricants) which are mixed with water.

Design

- Extra fine stranded copper conductor, 1.5 mm²
- Core insulation: blue and brown
- Profiled outer sheath of rubber (G), or polyurethane (PUR), or Polyvinylchloride (PVC)
- Colour: yellow (RAL 1023) or black (RAL 9005)

Approvals (Norm references)

- ASI is standardised Europe-wide in EN 50295 and internationally in IEC 62026-2.
- PVC version has UL/CSA (CMG) approval.

Product features

- Data and energy are transmitted both via an unscreened, geometrically coded two-core flat cable (protection against polarity reversal).



- The conductor is contacted by "piercing technology" within the ASI-modules.
- Connection of sensors to the ASI module (coupling module) is carried out using round cables (connection cables).

Cross-References

Accessories

AS-I STRIP special
SKINTOP® DIX ASI

Technical Data

Approvals

UL/CSA version: CMGc(UL)us or (UL)CL2 or AWM
300V FT4 approved

Peak working voltage

(not for power applications) 300 V

Conductor resistance

(loop): max. 27.4 Ohm/km

Minimum bending radius

Fixed installation: 12 mm
flexible 24 mm

Test voltage

Core/core: 2000 V

Range of temperature

Dependent on the outer sheath material: PVC -30°C up to +90°C other materials: -40°C up to +85°C
During installation: PVC -20°C up to +90°C other materials: -30°C up to +85°C

Article List

Part number	Article designation	Sheath material	Sheath colour	Application	Number of cores and mm ² per conductor	Copper index kg/km	Weight kg/km
For fixed and flexible application (19 wires strand)							
2170228	UNITRONIC® BUS ASI (G)	EPDM (rubber)	yellow	Data and energy transmission	2 x 1,5	29.0	57
2170229	UNITRONIC® BUS ASI (G)	EPDM (rubber)	black	Transmission auxiliary 30V DC	2 x 1,5	29.0	57
2170230	UNITRONIC® BUS ASI (TPE)	TPE	yellow	Data and energy transmission	2 x 1,5	29.0	57

2170231	UNITRONIC® BUS ASI (TPE)	TPE	black	Transmission auxiliary 30V DC	2 x 1,5	29.0	57
2170201	UNITRONIC® BUS ASI (PUR)	PUR	yellow	Data and energy transmission	2 x 1,5	29.0	57
2170202	UNITRONIC® BUS ASI (PUR)	PUR	black	Transmission auxiliary 30V DC	2 x 1,5	29.0	57
2170842	UNITRONIC® BUS ASI (PVC) A	PVC UL/CSA (CMG)	yellow	Data and energy transmission	2 x 1,5	29.0	57
2170843	UNITRONIC® BUS ASI (PVC) A	PVC UL/CSA (CMG)	black	Transmission auxiliary 30V DC	2 x 1,5	29.0	57

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Lapp Kabel is a member of the AS-International Association

Photographs are not to scale and do not represent detailed images of the respective products.