2170317

DATA SHEET

valid from: 01.01.2019

UNITRONIC® BUS ASI LD FD P

2 x 2,5



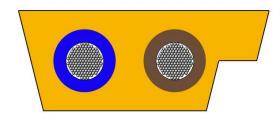
Application

UNITRONIC® BUS ASI LD FD P (type code: 9Y11Y-FL 2 x 2,5) is a flat fieldbus cable with 2 cores for AS-Interface (Actuator-Sensor-Interface) networking system for the lower field area. The cable is especially recommended, if characteristics like oil-resistance and a high mechanical strength are required. The cable is intendet for applications in power chains, halogen free and flame retardant.

Data transmission for AS-Interface telegrams and power supply for AS-I slaves, master, repeater, extender and sensors is done via this unscreened, geometrically-coded two-core flat cable. The contacting of the conductors by the insulation-displacement-system of the AS-I modules is possible without stripping the insulation. Compared to the standard cross section of 1.5 mm2, this cable can be used for higher currents and greater lengths.

Design

Insulation



Certification UL-AWM-style 21866

Conductor tinned copper,

2.5 mm², super-fine-wire stranded halogen free TPM (PP) compound,

core Ø ca. 2.5 mm

Core identification code colors of the cores: brown (+), blue (-)

Stranding 2 cores parallel deviation, brown core assembled in line with leading edge

Outer sheath halogen free, flame retardant PUR compound, dimensions and tolerances acc. to illustration.

sheath colors: art.no. 2170317: yellow (similar to RAL 1012)

art.no. 2170318: black (similar to RAL 9005)

Electrical properties at 20°C

Conductor resistance max. 8,21 Ω/km
Rated voltage yellow: 32 V
black: 48 V

Mechanical and thermal properties

Minimum bending radius moved: $6 \times cable \emptyset$

fixed installation: $3 \times \text{cable } \emptyset$

Temperature range -40 °C up to +80 °C

Flammability flame retardant acc. to IEC 60332-2 and FT2 acc. to UL 1581

Halogen free acc. to EN 50267-2-1

Corrosivity of gases acc. to EN 50267-2-2

Oil resistance oil resistant acc. to EN 60811-2-1

General requirements This cable is conform to the EU-Directive 2011/65/EU

(RoHS, Restriction of the use of certain hazardous substances).

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Page 1 of 1