


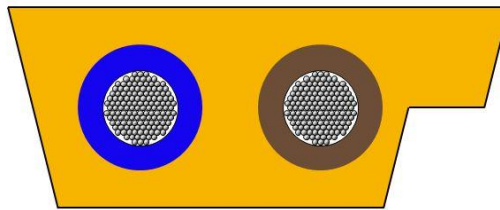
2170317	DATA SHEET	
valid from: 01.01.2019	UNITRONIC® BUS ASI LD FD P 2 x 2,5	

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 intended 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



Certification	UL-AWM-style 21866
Conductor	tinned copper, 2.5 mm ² , super-fine-wire stranded
Insulation	halogen free TPM (PP) compound, core \varnothing 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 x cable \varnothing fixed installation: 3 x cable \varnothing
Temperature range	-40 °C up to +80 °C
Flammability	flame retardant acc. to IEC 60332-2 and FT2 acc. to UL 1581
Halogen free	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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