Data communication systems

Low frequency data transmission cables • UL/CSA-certified

UNITRONIC[®] 300 / UNITRONIC[®] 300 S

Technical data

Control and signal cables with small cross sections - UL/CSA listed

Info

Benefits

certifications

Application range

external wiring

interconnect

Product features

· Shielded Version: Formerly UNITRONIC[®] 300 CY, now UNITRONIC® 300 S

• Wide application range due to multiple

Control and signal cables for internal and

industrial machinery; low-voltage control

Thanks to the DIRECT BURIAL approval,

direct burial of versions with the nominal

conductor cross sections 18 AWG and 16

AWG is normatively permitted in the USA

CMG (for USA and Canada) and PLTC

(for USA) for tray use in North America

(24 AWG has got no PLTC certification)

Run: According to NEC/ NFPA 70 for

trays and in the USA) for 18 AWG and

unprotected transitions of the cable, each

not longer than 1.8 m or 6 ft., outside of

PLTC-ER & ITC-ER ("-ER" = Exposed

Process control; electrical equipment;

Cost-saving, easy installation due to

omission of closed raceways

For the North American market

(suitable for open wiring)

LAPP KABEL STUTIGART UNITRONIC® 300 S

LAPP KABEL STUTTGART UNITRONIC® 300 S

LAPP KABEL STUTTGART UNITRONIC[®] 300

Norm references / Approvals

- UL: CMG per UL 444; PLTC-ER per UL 13 (18 AWG + 16 AWG); PLTC (not for 24 AWG); ITC-ER per UL 2250 (18 AWG + 16 AWG); UL AWM Style 2464
- HANDBOOK, ARTICLE 501, II., 501.10, (B), (1), and apart from any kind of "Flexible Connections", suitability for Class I, Division 2 in the USA, and that for all versions with ITC-ER as per NEC 2014 ARTICLE 727.4 and in conjunction with additional UL listed components as well as for all versions with PLTC or PLTC-ER in line with the provisions of NEC 2014 ARTICLE 725 and in mandatory conjunction with tray use and additional, UL listed components
- Canada: c(UL) CMG FT4, CSA AWM I/II A/B FT1
- Oil-resistant according to UL OIL RES I

Product Make-up

- · Fine-wire strand made of tinned-copper wires
- · Core insulation made of PVC compound
- UNITRONIC[®] 300 S: with overall foil tape wrapping, drain wire,
- ter jacket: Specially Formulated PVC
- nilar to RAL 7005)

16 AWG	tin-p
 UV-resistant UL SUN RES 	 Oute
DIRECT BURIAL certification for 18 AWG & 16 AWG for normatively permitted, direct burial in the USA	 Colc (sim
 Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG) 	

Article number	Article designation	Number of cores and AWG size	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	
UNITRONIC® 300						
301602	UNITRONIC [®] 300	2 x AWG 16	6.7	25	83	
301802	UNITRONIC [®] 300	2 x AWG18	6.1	18.3	61	
302006	UNITRONIC [®] 300	6 x AWG20	7.5	29.5	97	
302204	UNITRONIC [®] 300	4 x AWG22	5	13.7	33	
302210	UNITRONIC [®] 300	10 x AWG22	7	34.896	67	
UNITRONIC® 300 S						
301602S	UNITRONIC [®] 300 S	2 x AWG 16	7.6	50.6	101	
301606S	UNITRONIC [®] 300 S	6 x AWG 16	9.9	105.7	210	
301802S	UNITRONIC [®] 300 S	2 x AWG18	6.8	37.2	75	
301803S	UNITRONIC [®] 300 S	3 x AWG18	7.3	49.1	85	
301804S	UNITRONIC [®] 300 S	4 x AWG18	7.9	59.6	104	
302002S	UNITRONIC [®] 300 S	2 x AWG20	6.3	28.3	60	
302004S	UNITRONIC [®] 300 S	4 x AWG20	7.3	40.2	88	
302006S	UNITRONIC [®] 300 S	6 x AWG20	8.4	55.1	119	
302206S	UNITRONIC [®] 300 S	6 x AWG22	6.4	35.7	68	

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths Packaging size: Coil 152 m; Drum 305 m

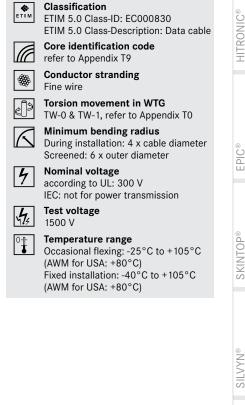
Photographs are not to scale and do not represent detailed images of the respective products.

UNITRONIC® 300 STP refer to page 304

Accessories SKINTOP® ST-M refer to page 712

For current information see: www.eurocable.co.kr

FLEXIMARK





LAPP KABEL STUTTGART UNITRONIC[®] 300

- According to NEC/ NFPA 70, 2014

- tin-plated copper braiding (75 % coverage)
- or of the outer jacket: Dark gray