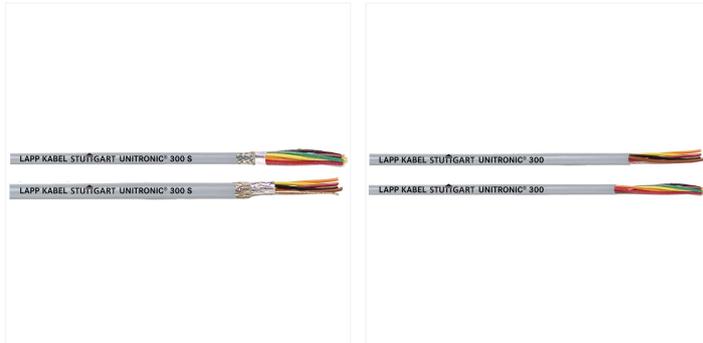


**UNITRONIC® 300 S 18/3C**

**Article No.:** 301803S

Low-frequency data cable; 3X18 AWG; PVC; Shielded; UL listed; Flexible



**Details**

**Notes**

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

**Remarks**

**Technical Data**

**General information**

Brand	UNITRONIC®
Product type	Low-frequency data cable

Copper index	329.9 lb/10000 ft
Industry segment	Automotive Food & Beverage Healthcare & Pharma Heating, Ventilation, Air Conditioning & Refrigeration Machine Tools Packaging Process Industry

**Electrical parameters**

Rated voltage	300 V AC rms according to UL/CSA
test voltage	1.5 kV

**Product design**

Li-stranded cables	LiYCY
Cable dimension	3X18 AWG
Nominal cross section conductor (mm <sup>2</sup> )	1 mm <sup>2</sup>
Nominal cross section conductor (AWG)	18 AWG
Leading conductor cross-section	AWG
Conductor material	Tin-plated Copper
Conductor design	fine-wire
Including protective ground	No
Number of cores	3
Stranding type	Layered Stranding
Shielded	Yes
Nominal outer diameter	0.287 in
Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	gray
Core identification	Colors

**Product features**

Application area	Flexible Fixed Installation
For torsional load	Yes
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	1.724 in
Temperature, fixed installation	-40 °C to 105 °C
Temperature, occasionally moved	-25 °C to 105 °C
Flame-retardant	No
UV-resistant	Yes
UV-resistant according to	UL sunlight resistant
Halogenfree	No
Oil resistant	Yes
PWIS-free	No

**Certifications and standards**

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
UL recognized	Yes
UL AWM certification	2464 according to UL 758 (e-file number: E100338)
UL listed	Yes

UL certification	UL CMG according to UL 444 (e-file number: E130334) UL PLTC according to UL 13 (e-file number: E216027) UL PLTC-ER according to UL 13 (e-file number: E216027) UL ITC according to UL 2250 (e-file number: E196134) UL ITC-ER according to UL 2250 (e-file number: E196134) UL DIR BUR according to UL 13 (e-file number: E216027)
cUR recognized	No
cUL listed	Yes
cUL certification	cUL CMG according to CSA C22.2 No. 214 (e-file number: E130334)
CSA certified	Yes
CSA certification	AWM I A according to CSA C22.2 No. 210 AWM I B according to CSA C22.2 No. 210 AWM II A according to CSA C22.2 No. 210 AWM II B according to CSA C22.2 No. 210
VDE certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No

**UNITRONIC® 300 S**

Article No.	Name	Number of cores	Nominal cross section conductor (AWG)	Nominal outer diameter	Copper index
301602S	UNITRONIC® 300 S 16/2C	2	16 AWG	0.299 in	340 lb/10000 ft
301603S	UNITRONIC® 300 S 16/3C	3	16 AWG	0.315 in	423 lb/10000 ft
301604S	UNITRONIC® 300 S 16/4C	4	16 AWG	0.339 in	518 lb/10000 ft
301606S	UNITRONIC® 300 S 16/6C	6	16 AWG	0.39 in	710.2 lb/10000 ft
301608S	UNITRONIC® 300 S 16/8C	8	16 AWG	0.449 in	910 lb/10000 ft
301610S	UNITRONIC® 300 S 16/10C	10	16 AWG	0.512 in	1139 lb/10000 ft
301615S	UNITRONIC® 300 S 16/15C	15	16 AWG	0.579 in	1566 lb/10000 ft
301620S	UNITRONIC® 300 S 16/20C	20	16 AWG	0.654 in	2010 lb/10000 ft
301625S	UNITRONIC® 300 S 16/25C	25	16 AWG	0.728 in	2464 lb/10000 ft
301802S	UNITRONIC® 300 S 18/2C	2	18 AWG	0.268 in	249.9 lb/10000 ft
301803S	UNITRONIC® 300 S 18/3C	3	18 AWG	0.287 in	329.9 lb/10000 ft
301804S	UNITRONIC® 300 S 18/4C	4	18 AWG	0.311 in	400.5 lb/10000 ft
301806S	UNITRONIC® 300 S 18/6C	6	18 AWG	0.358 in	548 lb/10000 ft
301808S	UNITRONIC® 300 S 18/8C	8	18 AWG	0.382 in	682 lb/10000 ft
301810S	UNITRONIC® 300 S 18/10C	10	18 AWG	0.469 in	877 lb/10000 ft
301815S	UNITRONIC® 300 S 18/15C	15	18 AWG	0.524 in	1210 lb/10000 ft
301820S	UNITRONIC® 300 S 18/20C	20	18 AWG	0.575 in	1561 lb/10000 ft
301825S	UNITRONIC® 300 S 18/25C	25	18 AWG	0.661 in	1870.6 lb/10000 ft
302002S	UNITRONIC® 300 S 20/2C	2	20 AWG	0.248 in	190.1 lb/10000 ft
302003S	UNITRONIC® 300 S 20/3C	3	20 AWG	0.26 in	226 lb/10000 ft
302004S	UNITRONIC® 300 S 20/4C	4	20 AWG	0.287 in	270.1 lb/10000 ft
302006S	UNITRONIC® 300 S 20/6C	6	20 AWG	0.331 in	370.2 lb/10000 ft
302008S	UNITRONIC® 300 S 20/8C	8	20 AWG	0.354 in	458 lb/10000 ft
302010S	UNITRONIC® 300 S 20/10C	10	20 AWG	0.425 in	557 lb/10000 ft
302015S	UNITRONIC® 300 S 20/15C	15	20 AWG	0.484 in	767 lb/10000 ft
302020S	UNITRONIC® 300 S 20/20C	20	20 AWG	0.528 in	877 lb/10000 ft
302025S	UNITRONIC® 300 S 20/25C	25	20 AWG	0.587 in	1037 lb/10000 ft
302202S	UNITRONIC® 300 S 22/2C	2	22 AWG		125 lb/10000 ft
302203S	UNITRONIC® 300 S 22/3C	3	22 AWG	0.209 in	152 lb/10000 ft
302204S	UNITRONIC® 300 S 22/4C	4	22 AWG	0.224 in	181 lb/10000 ft

Article No.	Name	Number of cores	Nominal cross section conductor (AWG)	Nominal outer diameter	Copper index
302206S	UNITRONIC® 300 S 22/6C	6	22 AWG	0.252 in	239.9 lb/10000 ft
302208S	UNITRONIC® 300 S 22/8C	8	22 AWG	0.28 in	297 lb/10000 ft
302210S	UNITRONIC® 300 S 22/10C	10	22 AWG	0.311 in	366 lb/10000 ft
302215S	UNITRONIC® 300 S 22/15C	15	22 AWG	0.346 in	518 lb/10000 ft
302220S	UNITRONIC® 300 S 22/20C	20	22 AWG	0.378 in	635 lb/10000 ft
302225S	UNITRONIC® 300 S 22/25C	25	22 AWG	0.445 in	806 lb/10000 ft
302402S	UNITRONIC® 300 S 24/2C	2	24 AWG	0.193 in	97 lb/10000 ft
302403S	UNITRONIC® 300 S 24/3C	3	24 AWG	0.201 in	112 lb/10000 ft
302404S	UNITRONIC® 300 S 24/4C	4	24 AWG	0.209 in	137 lb/10000 ft
302406S	UNITRONIC® 300 S 24/6C	6	24 AWG	0.236 in	180 lb/10000 ft
302408S	UNITRONIC® 300 S 24/8C	8	24 AWG	0.248 in	211 lb/10000 ft
302410S	UNITRONIC® 300 S 24/10C	10	24 AWG	0.287 in	257 lb/10000 ft
302415S	UNITRONIC® 300 S 24/15C	15	24 AWG	0.319 in	345 lb/10000 ft
302420S	UNITRONIC® 300 S 24/20C	20	24 AWG	0.346 in	433 lb/10000 ft
302425S	UNITRONIC® 300 S 24/25C	25	24 AWG	0.382 in	529 lb/10000 ft

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