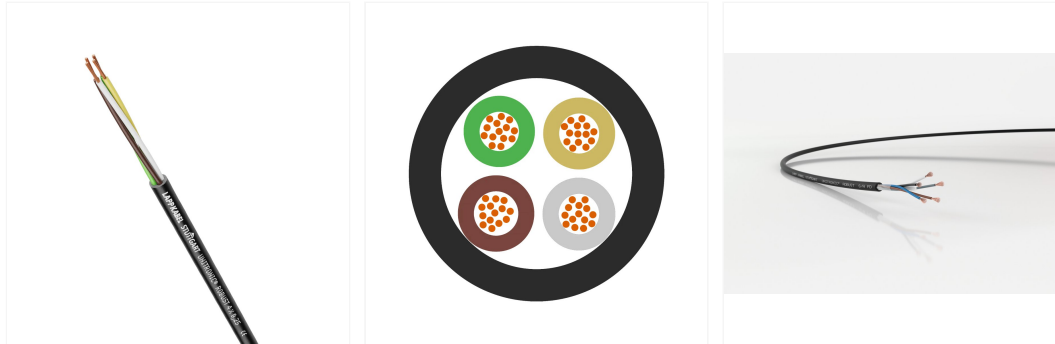


UNITRONIC® ROBUST 2x0,14

Article No.: 1032000

Low-frequency data cable; 2X0.14; Conductor color code: DIN 47100 without color repetition; TPE; Flexible



Details

Benefits

- Halogen-free jacket compound to meet special fire safety requirements.
- outer jacket made of a special TPE blend is particularly chemically and thermally versatile and is weather-resistant.
- With conductor cross-sections from 0.14 mm² (0.0 in²) for low-frequency data transmission.
- Compact design enables small outer diameters despite high number of conductors.
- Tested resistance to ECOLAB® disinfectants and cleaning agents.
- Conductor marking according to DIN 47100 color code for unambiguous identification of the single conductors.

Application

- Can be used universally at machine interfaces for many applications for data and signal transmission in the low-frequency range.
- For use in control, regulating and measurement circuits.
- For occasional flexing.
- Can be used in dry, damp or wet environments.
- Suitable for medium mechanical stress.
- Resistant to many oils, plant and animal fats and a wide range of chemicals.

- Suitable for applications with UV-C radiation (according to LAPP's internal test method).
- Suitable for outdoor use.
- Flexible use at temperatures down to -40°C.

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	18.8 lb/10000 ft

Electrical parameters

test voltage	1.2 kV
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Product design

Li-stranded cables	Li9Y9Y
Cable dimension	2X0.14
Nominal cross section conductor (mm ²)	0.14 mm ²
Conductor material	Bare Copper
Conductor design	fine-wire
Including protective ground	No
Number of cores	2
Stranding type	Layered Stranding
Shielded	No

Nominal outer diameter	0.126 in
Cable form	Round
Core insulation base material	Polypropylene
Conductor insulation basic material, short form	PP
Basic material of outer jacket	Thermoplastic elastomers
Base material of outer sheath, shortname	TPE
Outer jacket color	black
Core identification	Colors
Conductor color code	DIN 47100 without color repetition

Product features

Application area	Flexible Fixed Installation
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	0.504 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	1.26 in
Temperature, fixed installation	-50 °C to 90 °C max. conductor temperature
Temperature, occasionally moved	-40 °C to 90 °C max. conductor temperature
Flame-retardant	No
UV-resistant	Yes
UV-resistant according to	EN ISO 4892-2, method A (color change permitted)
UV-C resistant	Yes
Chemical resistant	Yes
Halogenfree	Yes
Halogen-free according to	IEC 60754-1 EN 50267-2-1
Oil resistant	Yes

PWIS-free	No
Low capacitance	Yes

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
VDE certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No
Tested for fire protection for railway vehicles	No
Ecolab certified	Yes

UNITRONIC® ROBUST

Article No.	Name	Number of cores	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1032000	UNITRONIC® ROBUST 2x0,14	2	0.14 mm ²	0.126 in	18.8 lb/10000 ft
1032001	UNITRONIC® ROBUST 3x0,14	3	0.14 mm ²	0.134 in	28.22 lb/10000 ft
1032002	UNITRONIC® ROBUST 4x0,14	4	0.14 mm ²	0.142 in	37.63 lb/10000 ft
1032003	UNITRONIC® ROBUST 5x0,14	5	0.14 mm ²	0.154 in	47.04 lb/10000 ft
1032004	UNITRONIC® ROBUST 7x0,14	7	0.14 mm ²	0.165 in	65.85 lb/10000 ft
1032006	UNITRONIC® ROBUST 10x0,14	10	0.14 mm ²	0.205 in	94.08 lb/10000 ft
1032012	UNITRONIC® ROBUST 2x0,25	2	0.25 mm ²	0.15 in	32.26 lb/10000 ft
1032013	UNITRONIC® ROBUST 3x0,25	3	0.25 mm ²	0.157 in	48.38 lb/10000 ft
1032014	UNITRONIC® ROBUST 4x0,25	4	0.25 mm ²	0.169 in	64.51 lb/10000 ft
1032016	UNITRONIC® ROBUST 7x0,25	7	0.25 mm ²	0.201 in	112.89 lb/10000 ft
1032017	UNITRONIC® ROBUST 8x0,25	8	0.25 mm ²	0.244 in	129 lb/10000 ft
1032018	UNITRONIC® ROBUST 10x0,25	10	0.25 mm ²	0.268 in	161.27 lb/10000 ft
1032021	UNITRONIC® ROBUST 16x0,25	16	0.25 mm ²	0.303 in	258.04 lb/10000 ft
1032025	UNITRONIC® ROBUST 2x0,34	2	0.34 mm ²	0.165 in	43.68 lb/10000 ft
1032026	UNITRONIC® ROBUST 3x0,34	3	0.34 mm ²	0.173 in	65.85 lb/10000 ft
1032027	UNITRONIC® ROBUST 4x0,34	4	0.34 mm ²	0.189 in	88.03 lb/10000 ft
1032028	UNITRONIC® ROBUST 5x0,34	5	0.34 mm ²	0.217 in	109.53 lb/10000 ft
1032030	UNITRONIC® ROBUST 7x0,34	7	0.34 mm ²	0.232 in	153.88 lb/10000 ft
1032031	UNITRONIC® ROBUST 8x0,34	8	0.34 mm ²	0.28 in	175.38 lb/10000 ft
1032032	UNITRONIC® ROBUST 10x0,34	10	0.34 mm ²	0.299 in	219.06 lb/10000 ft
1032033	UNITRONIC® ROBUST 12x0,34	12	0.34 mm ²	0.307 in	263.41 lb/10000 ft

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