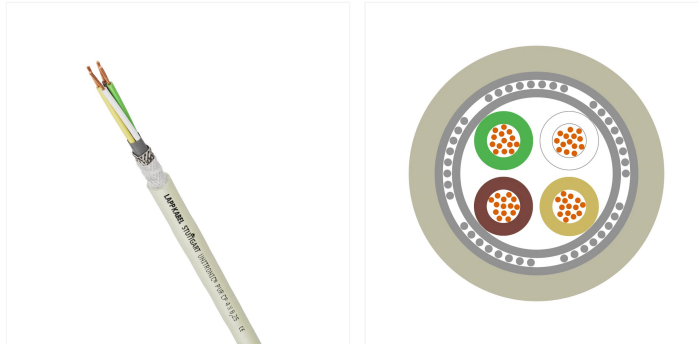


UNITRONIC® PUR CP 4x0,34
Article No.: 0032812

Low-frequency data cable; 4X0.34; Conductor colour code: DIN 47100; PUR; Shielded; Flexible


CE

Details
Benefits

- Durable, resistant product thanks to the outer sheath PUR material that is resistant to abrasions, notches and cuts.
- Ideal protection against electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.
- Compact design enables small outer diameters despite high number of cores.

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, regulation and measurement circuits.
- For fixed installation and occasional movement.
- Can be used in dry, damp and wet environments.
- The PUR outer sheath withstands high mechanical loads.
- The PUR outer sheath is resistant to mineral oil-based lubricants and highly resistant to chemicals.
- Suitable for outdoor use.

Notes

Inductance and operating capacitance are neither defined nor controlled electrical parameters. The specified values were determined by calculation and may deviate due to tolerances.

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

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

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

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

Remarks

Technical Data

General information

Brand	UNITRONIC®
Product type	Low-frequency data cable
Weight	59 kg/km
Copper index	28 kg/km
Industry segment	HVAC

Electrical parameters

Test voltage	1.5 kV
Max. conductor resistance at 20°C	57 Ω/km
Conductor/conductor operating capacitance (800Hz), approx.	106 nF/km
Conductor/shielding operating capacitance (800Hz), approx.	164 nF/km
Inductance (800 Hz), approx.	0.76 mH/km

Product design

Li-stranded cables	LiYC11Y
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Cable dimension	4X0.34
Nominal conductor cross-section (metric)	0.34 mm ²
Conductor material	Bare copper
Conductor design	fine-wire
Including protective earth	No
Number of cores	4
Stranding type	Layered stranding
Shielded	Yes
Type of overall screen	Tin-plated copper braiding
Nominal outer diameter	5.7 mm
Shape of cable	Round
Core insulation basic material	Polyvinylchloride
Core insulation basic material, short form	PVC
Basic material of outer sheath	Polyurethane
Basic material of outer sheath, short form	PUR
Outer sheath colour	grey
Core identification	Colours
Conductor colour code	DIN 47100

Product features

Application area	Flexible Fixed installation
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in mm, fixed installation	34.2 mm
Minimum bending radius, occasionally flexing	15 x outer diameter
Minimum bending radius in mm, occasionally flexing	85.5 mm
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature:
max. conductor temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature:
Flame-retardant	Yes
UV-resistant	Yes

UV-resistant according to	EN ISO 4892-2, method A (colour change permitted)
Ozone resistant	Yes
Ozone-resistant according to	EN 50396, method B
Chemical resistant	Yes
Halogenfree	No
Oil-resistant	Yes
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marked	Yes
EAC-certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
VDE certified	No
Flame retardance tested according to UN /ECE-R118	No

UNITRONIC® PUR CP

Article No.	Name	Number of cores	Nominal conductor cross-section (metric)	Nominal outer diameter	Copper index	Weight
0032801	UNITRONIC® PUR CP 3x0,25	3	0.25 mm ²	4.7 mm	21 kg/km	37 kg/km
0032802	UNITRONIC® PUR CP 4x0,25	4	0.25 mm ²	5 mm	24 kg/km	41 kg/km
0032803	UNITRONIC® PUR CP 5x0,25	5	0.25 mm ²	5.6 mm	29 kg/km	51 kg/km
0032804	UNITRONIC® PUR CP 7x0,25	7	0.25 mm ²	6 mm	37 kg/km	68 kg/km
0032805	UNITRONIC® PUR CP 10x0,25	10	0.25 mm ²	7.5 mm	46 kg/km	85 kg/km
0032806	UNITRONIC® PUR CP 12x0,25	12	0.25 mm ²	7.7 mm	59 kg/km	93 kg/km
0032812	UNITRONIC® PUR CP 4x0,34	4	0.34 mm ²	5.7 mm	28 kg/km	59 kg/km
0032813	UNITRONIC® PUR CP 5x0,34	5	0.34 mm ²	6.2 mm	30 kg/km	69 kg/km
0032821	UNITRONIC® PUR CP 3x0,5	3	0.5 mm ²	5.9 mm	38 kg/km	70 kg/km
0032822	UNITRONIC® PUR CP 4x0,5	4	0.5 mm ²	6.3 mm	43 kg/km	80 kg/km
0032824	UNITRONIC® PUR CP 7x0,5	7	0.5 mm ²	7.6 mm	65 kg/km	115 kg/km
0032830	UNITRONIC® PUR CP 2x0,75	2	0.75 mm ²	6 mm	38 kg/km	67 kg/km
0032836	UNITRONIC® PUR CP 12x0,75	12	0.75 mm ²	10.8 mm	154 kg/km	225 kg/km

V1.1