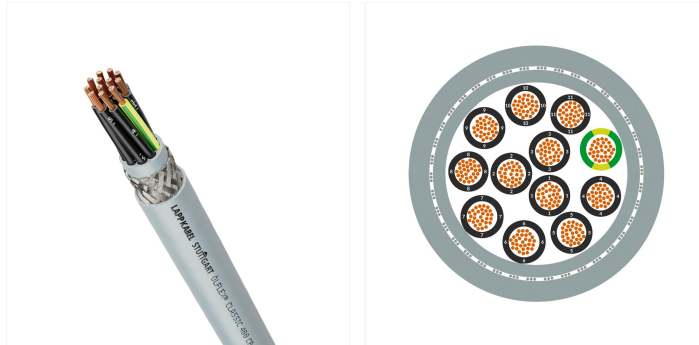


ÖLFLEX® CLASSIC 400 CP 41G1

Article No.: 1313241

Power and control cable; 41G1; U_0/U : 300/500 V; PUR; Core identification: Numbers; Shielded; Flexible



Details

Benefits

- Durable, resistant product thanks to the outer jacket PUR material that is resistant to abrasions, notches and cuts.
- Additional robustness thanks to the extruded inner jacket.
- Ideal protection against electromagnetic interference thanks to copper shielding braiding with a high degree of coverage.
- Tested resistance to ECOLAB® disinfectants and cleaning agents.

Application

- For universal use for wiring machine-internal and cross-plant control circuits.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry, damp and, especially, harsh and oily environments.
- The PUR outer jacket withstands high mechanical stress.
- The PUR outer jacket is resistant to mineral oil-based lubricants and highly resistant to chemicals.
- Suitable for outdoor use, subject to the temperature range.

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.

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.

Remarks

Technical Data

General information

Brand	ÖLFLEX®
Product type	Power and control cable
Copper index	4098.6 lb/10000 ft
Industry segment	Assembly Machines Lifts & Elevators Process Industry Ships & boats

Electrical parameters

Nominal voltage	U_0/U : 300/500 V AC rms according to IEC
Test voltage conductor/conductor	4 kV
Test voltage conductor/shielding	4 kV
Current rating according to	VDE 0298-4

Product design

Cable dimension	41G1
Nominal cross section conductor (mm ²)	1 mm ²
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire

Including protective ground	Yes
Number of cores	41
Stranding type	Layered Stranding
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
Nominal outer diameter	0.866 in
Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
Basic material of inner jacket	Polyvinylchloride
Basic material of inner jacket, short form	PVC
colour inner sheath	gray
Basic material of outer jacket	Polyurethane
Base material of outer sheath, shortname	PUR
Outer jacket color	gray
Colour outer sheath RAL code	RAL 7001
Core identification	Numbers
Conductor color code	EN 50334 VDE 0293-1

Product features

Application area	Flexible Fixed Installation
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	5.197 in
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally moved	17.323 in
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature
Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature
Storage temperature max.	-25 °C

Storage temperature maximum	55 °C
Flame-retardant	No
UV-resistant	Yes
UV-resistant according to	EN ISO 4892-2, method A (color change permitted) EN 50618 EN 50620
weather resistant	Yes
Ozone-resistant	Yes
ozone resistant according to	EN 50396, method B
Chemical resistant	Yes
Hydrolysis-resistant	Yes
Halogenfree	No
Oil resistant	Yes
Oil resistance according to	EN 50363-10-2
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	No
HAR-certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No
Ecolab certified	Yes

ÖLFLEX® CLASSIC 400 CP

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1313103	ÖLFLEX® CLASSIC 400 CP 3G0,75	3	Yes	0.75 mm ²	0.311 in	349.4 lb/10000 ft
1313104	ÖLFLEX® CLASSIC 400 CP 4G0,75	4	Yes	0.75 mm ²	0.331 in	517.4 lb/10000 ft
1313105	ÖLFLEX® CLASSIC 400 CP 5G0,75	5	Yes	0.75 mm ²	0.35 in	564.4 lb/10000 ft
1313107	ÖLFLEX® CLASSIC 400 CP 7G0,75	7	Yes	0.75 mm ²	0.382 in	618.1 lb/10000 ft
1313112	ÖLFLEX® CLASSIC 400 CP 12G0,75	12	Yes	0.75 mm ²	0.484 in	927.2 lb/10000 ft
1313118	ÖLFLEX® CLASSIC 400 CP 18G0,75	18	Yes	0.75 mm ²	0.571 in	1471.5 lb/10000 ft
1313125	ÖLFLEX® CLASSIC 400 CP 25G0,75	25	Yes	0.75 mm ²	0.654 in	1861.2 lb/10000 ft
1313141	ÖLFLEX® CLASSIC 400 CP 41G0,75	41	Yes	0.75 mm ²	0.811 in	3359.5 lb/10000 ft
1313203	ÖLFLEX® CLASSIC 400 CP 3G1	3	Yes	1 mm ²	0.323 in	517.4 lb/10000 ft
1313204	ÖLFLEX® CLASSIC 400 CP 4G1	4	Yes	1 mm ²	0.343 in	584.6 lb/10000 ft
1313205	ÖLFLEX® CLASSIC 400 CP 5G1	5	Yes	1 mm ²	0.374 in	604.7 lb/10000 ft
1313207	ÖLFLEX® CLASSIC 400 CP 7G1	7	Yes	1 mm ²	0.402 in	739.1 lb/10000 ft
1313212	ÖLFLEX® CLASSIC 400 CP 12G1	12	Yes	1 mm ²	0.524 in	1303.5 lb/10000 ft
1313218	ÖLFLEX® CLASSIC 400 CP 18G1	18	Yes	1 mm ²	0.61 in	1794 lb/10000 ft
1313225	ÖLFLEX® CLASSIC 400 CP 25G1	25	Yes	1 mm ²	0.689 in	2546.5 lb/10000 ft
1313241	ÖLFLEX® CLASSIC 400 CP 41G1	41	Yes	1 mm ²	0.866 in	4098.6 lb/10000 ft
1313303	ÖLFLEX® CLASSIC 400 CP 3G1,5	3	Yes	1.5 mm ²	0.35 in	571.1 lb/10000 ft
1313304	ÖLFLEX® CLASSIC 400 CP 4G1,5	4	Yes	1.5 mm ²	0.378 in	671.9 lb/10000 ft
1313305	ÖLFLEX® CLASSIC 400 CP 5G1,5	5	Yes	1.5 mm ²	0.406 in	806.3 lb/10000 ft
1313307	ÖLFLEX® CLASSIC 400 CP 7G1,5	7	Yes	1.5 mm ²	0.445 in	1021.3 lb/10000 ft
1313312	ÖLFLEX® CLASSIC 400 CP 12G1,5	12	Yes	1.5 mm ²	0.583 in	1794 lb/10000 ft
1313318	ÖLFLEX® CLASSIC 400 CP 18G1,5	18	Yes	1.5 mm ²	0.677 in	2687.6 lb/10000 ft
1313325	ÖLFLEX® CLASSIC 400 CP 25G1,5	25	Yes	1.5 mm ²	0.791 in	3843.3 lb/10000 ft
1313403	ÖLFLEX® CLASSIC 400 CP 3G2,5	3	Yes	2.5 mm ²	0.406 in	813 lb/10000 ft
1313404	ÖLFLEX® CLASSIC 400 CP 4G2,5	4	Yes	2.5 mm ²	0.445 in	1095.2 lb/10000 ft
1313405	ÖLFLEX® CLASSIC 400 CP 5G2,5	5	Yes	2.5 mm ²	0.496 in	1337.1 lb/10000 ft
1313407	ÖLFLEX® CLASSIC 400 CP 7G2,5	7	Yes	2.5 mm ²	0.547 in	1753.7 lb/10000 ft
1313412	ÖLFLEX® CLASSIC 400 CP 12G2,5	12	Yes	2.5 mm ²	0.693 in	3157.9 lb/10000 ft
1313504	ÖLFLEX® CLASSIC 400 CP 4G4	4	Yes	4 mm ²	0.528 in	1599.1 lb/10000 ft
1313505	ÖLFLEX® CLASSIC 400 CP 5G4	5	Yes	4 mm ²	0.579 in	1874.6 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1313604	ÖLFLEX® CLASSIC 400 CP 4G6	4	Yes	6 mm ²	0.622 in	2136.6 lb/10000 ft
1313605	ÖLFLEX® CLASSIC 400 CP 5G6	5	Yes	6 mm ²	0.681 in	2486 lb/10000 ft
1313614	ÖLFLEX® CLASSIC 400 CP 4G10	4	Yes	10 mm ²	0.748 in	3749.2 lb/10000 ft
1313624	ÖLFLEX® CLASSIC 400 CP 4G16	4	Yes	16 mm ²	0.874 in	5402.1 lb/10000 ft
1313852	ÖLFLEX® CLASSIC 400 CP 2X0,75	2	No	0.75 mm ²	0.291 in	302.4 lb/10000 ft
1313853	ÖLFLEX® CLASSIC 400 CP 3X0,75	3	No	0.75 mm ²	0.311 in	349.4 lb/10000 ft
1313854	ÖLFLEX® CLASSIC 400 CP 4X0,75	4	No	0.75 mm ²	0.331 in	517.4 lb/10000 ft
1313855	ÖLFLEX® CLASSIC 400 CP 5X0,75	5	No	0.75 mm ²	0.35 in	564.4 lb/10000 ft
1313857	ÖLFLEX® CLASSIC 400 CP 7X0,75	7	No	0.75 mm ²	0.382 in	618.1 lb/10000 ft
1313902	ÖLFLEX® CLASSIC 400 CP 2X1	2	No	1 mm ²	0.311 in	336 lb/10000 ft
1313903	ÖLFLEX® CLASSIC 400 CP 3X1	3	No	1 mm ²	0.323 in	517.4 lb/10000 ft
1313904	ÖLFLEX® CLASSIC 400 CP 4X1	4	No	1 mm ²	0.343 in	584.6 lb/10000 ft
1313952	ÖLFLEX® CLASSIC 400 CP 2X1,5	2	No	1.5 mm ²	0.335 in	517.4 lb/10000 ft

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