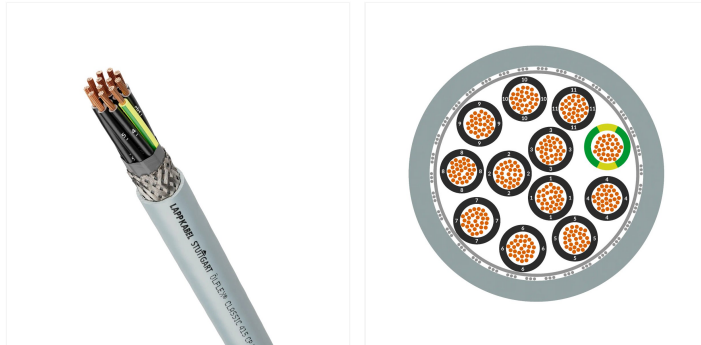


ÖLFLEX® CLASSIC 415 CP 25G1

Article No.: 1314043

Power and control cable; 25G1; U_0/U : 300/500 V; PUR; Core identification: Numbers; Shielded; Flexible



CE



Details

Benefits

- Durable, resistant product thanks to the outer jacket PUR material that is resistant to abrasions, notches and cuts.
- Doing away with the inner jacket results in lower weight and smaller outer diameters.
- Ideal protection against electromagnetic interference thanks to copper shielding braiding with a high degree of coverage.
- Classified fire behavior according to EU Directive 305/2011 (BauPVO/CPR) with article number selection on the LAPP website.

Application

- For universal use for wiring machine-internal and cross-plant control circuits.
- Typical areas of application are industrial machinery, machine tools and transfer lines.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry, wet and especially in harsh and oily environments.
- The PUR outer jacket withstands high mechanical stress.
- PUR outer jacket is highly chemical resistant and highly oil resistant.

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- 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	2378.5 lb/10000 ft

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	2 kV
Current rating according to	VDE 0298-4

Product design

Cable dimension	25G1
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	25
Stranding type	Layered Stranding
Wrapping above stranding	Plastic film
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
Nominal outer diameter	0.626 in
Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
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	3.756 in
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally moved	12.52 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
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	No

ÖLFLEX® CLASSIC 415 CP

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1314000	ÖLFLEX® CLASSIC 415 CP 2X0,5	2	No	0.5 mm ²	0.228 in	241.9 lb/10000 ft
1314002	ÖLFLEX® CLASSIC 415 CP 3X0,5	3	No	0.5 mm ²	0.24 in	96.76 lb/10000 ft
1314003	ÖLFLEX® CLASSIC 415 CP 4G0,5	4	Yes	0.5 mm ²	0.256 in	329.3 lb/10000 ft
1314004	ÖLFLEX® CLASSIC 415 CP 4X0,5	4	No	0.5 mm ²	0.256 in	129.02 lb/10000 ft
1314005	ÖLFLEX® CLASSIC 415 CP 5G0,5	5	Yes	0.5 mm ²	0.276 in	161.27 lb/10000 ft
1314007	ÖLFLEX® CLASSIC 415 CP 7G0,5	7	Yes	0.5 mm ²	0.295 in	225.78 lb/10000 ft
1314010	ÖLFLEX® CLASSIC 415 CP 12G0,5	12	Yes	0.5 mm ²	0.39 in	387.05 lb/10000 ft
1314012	ÖLFLEX® CLASSIC 415 CP 18G0,5	18	Yes	0.5 mm ²	0.453 in	580.58 lb/10000 ft
1314017	ÖLFLEX® CLASSIC 415 CP 2X0,75	2	No	0.75 mm ²	0.244 in	288.9 lb/10000 ft
1314018	ÖLFLEX® CLASSIC 415 CP 3G0,75	3	Yes	0.75 mm ²	0.256 in	806.36 lb/10000 ft
1314019	ÖLFLEX® CLASSIC 415 CP 3X0,75	3	No	0.75 mm ²	0.256 in	145.15 lb/10000 ft
1314020	ÖLFLEX® CLASSIC 415 CP 4G0,75	4	Yes	0.75 mm ²	0.276 in	193.53 lb/10000 ft
1314021	ÖLFLEX® CLASSIC 415 CP 4X0,75	4	No	0.75 mm ²	0.276 in	409.9 lb/10000 ft
1314022	ÖLFLEX® CLASSIC 415 CP 5G0,75	5	Yes	0.75 mm ²	0.303 in	241.91 lb/10000 ft
1314026	ÖLFLEX® CLASSIC 415 CP 12G0,75	12	Yes	0.75 mm ²	0.429 in	338.67 lb/10000 ft
1314028	ÖLFLEX® CLASSIC 415 CP 25G0,75	25	Yes	0.75 mm ²	0.583 in	580.58 lb/10000 ft
1314032	ÖLFLEX® CLASSIC 415 CP 2X1	2	No	1 mm ²	0.256 in	342.7 lb/10000 ft
1314033	ÖLFLEX® CLASSIC 415 CP 3G1	3	Yes	1 mm ²	0.268 in	870.87 lb/10000 ft
1314036	ÖLFLEX® CLASSIC 415 CP 4X1	4	No	1 mm ²	0.287 in	497.2 lb/10000 ft
1314039	ÖLFLEX® CLASSIC 415 CP 7G1	7	Yes	1 mm ²	0.346 in	1209.54 lb/10000 ft
1314040	ÖLFLEX® CLASSIC 415 CP 7X1	7	No	1 mm ²	0.346 in	193.53 lb/10000 ft
1314041	ÖLFLEX® CLASSIC 415 CP 12G1	12	Yes	1 mm ²	0.453 in	258.04 lb/10000 ft
1314043	ÖLFLEX® CLASSIC 415 CP 25G1	25	Yes	1 mm ²	0.626 in	2378.5 lb/10000 ft
1314055	ÖLFLEX® CLASSIC 415 CP 12G1,5	12	Yes	1.5 mm ²	0.512 in	322.55 lb/10000 ft

V1.1