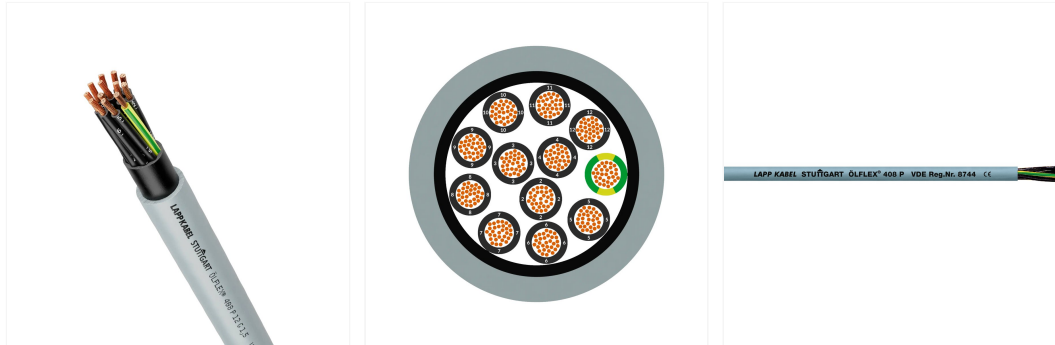


ÖLFLEX® 408 P 10G0,5

Article No.: 1308010

Power and control cable; 10G0.5; U_0/U : 300/500 V; PUR; Core identification: Numbers; Flexible



Details

Benefits

- Durable, resistant product thanks to the outer jacket PUR material that is resistant to abrasions, notches and cuts.
- Certified quality and tested properties thanks to VDE registration.

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.
- 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	322.5 lb/10000 ft
Industry segment	Agricultural & Farm Machinery

Electrical parameters

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

Product design

Cable dimension	10G0.5
Nominal cross section conductor (mm ²)	0.5 mm ²
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes
Number of cores	10
Stranding type	Layered Stranding
Interstice-filling functional layer	Yes
Shielded	No
Nominal outer diameter	0.339 in

Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
colour inner sheath	black
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	4 x outer diameter
Minimum bending radius in inch, fixed installation	1.354 in
Minimum bending radius, occasionally moved	12.5 x outer diameter
Minimum bending radius in mm, occasionally moved	4.232 in
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature
Temperature, occasionally moved	-15 °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	Yes
VDE registration number	8744
HAR-certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No
Ecolab certified	No

ÖLFLEX® 408 P

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1308003	ÖLFLEX® 408 P 3G0,5	3	Yes	0.5 mm ²	0.201 in	96.76 lb/10000 ft
1308004	ÖLFLEX® 408 P 4G0,5	4	Yes	0.5 mm ²	0.224 in	129.02 lb/10000 ft
1308005	ÖLFLEX® 408 P 5G0,5	5	Yes	0.5 mm ²	0.244 in	161.27 lb/10000 ft
1308007	ÖLFLEX® 408 P 7G0,5	7	Yes	0.5 mm ²	0.264 in	225.78 lb/10000 ft
1308010	ÖLFLEX® 408 P 10G0,5	10	Yes	0.5 mm ²	0.339 in	322.5 lb/10000 ft
1308012	ÖLFLEX® 408 P 12G0,5	12	Yes	0.5 mm ²	0.35 in	387.05 lb/10000 ft
1308018	ÖLFLEX® 408 P 18G0,5	18	Yes	0.5 mm ²	0.413 in	580.58 lb/10000 ft
1308025	ÖLFLEX® 408 P 25G0,5	25	Yes	0.5 mm ²	0.488 in	806.36 lb/10000 ft
1308103	ÖLFLEX® 408 P 3G0,75	3	Yes	0.75 mm ²	0.224 in	145.15 lb/10000 ft
1308104	ÖLFLEX® 408 P 4G0,75	4	Yes	0.75 mm ²	0.244 in	193.53 lb/10000 ft
1308105	ÖLFLEX® 408 P 5G0,75	5	Yes	0.75 mm ²	0.264 in	241.91 lb/10000 ft
1308107	ÖLFLEX® 408 P 7G0,75	7	Yes	0.75 mm ²	0.287 in	338.67 lb/10000 ft
1308112	ÖLFLEX® 408 P 12G0,75	12	Yes	0.75 mm ²	0.39 in	580.58 lb/10000 ft
1308118	ÖLFLEX® 408 P 18G0,75	18	Yes	0.75 mm ²	0.461 in	870.87 lb/10000 ft
1308125	ÖLFLEX® 408 P 25G0,75	25	Yes	0.75 mm ²	0.543 in	1209.54 lb/10000 ft
1308203	ÖLFLEX® 408 P 3G1	3	Yes	1 mm ²	0.236 in	193.53 lb/10000 ft
1308204	ÖLFLEX® 408 P 4G1	4	Yes	1 mm ²	0.256 in	258.04 lb/10000 ft
1308205	ÖLFLEX® 408 P 5G1	5	Yes	1 mm ²	0.28 in	322.55 lb/10000 ft
1308207	ÖLFLEX® 408 P 7G1	7	Yes	1 mm ²	0.315 in	451.56 lb/10000 ft
1308212	ÖLFLEX® 408 P 12G1	12	Yes	1 mm ²	0.413 in	774.11 lb/10000 ft
1308218	ÖLFLEX® 408 P 18G1	18	Yes	1 mm ²	0.5 in	1161.16 lb/10000 ft
1308225	ÖLFLEX® 408 P 25G1	25	Yes	1 mm ²	0.579 in	1612.73 lb/10000 ft
1308303	ÖLFLEX® 408 P 3G1,5	3	Yes	1.5 mm ²	0.264 in	290.29 lb/10000 ft
1308304	ÖLFLEX® 408 P 4G1,5	4	Yes	1.5 mm ²	0.283 in	387.05 lb/10000 ft
1308305	ÖLFLEX® 408 P 5G1,5	5	Yes	1.5 mm ²	0.319 in	483.82 lb/10000 ft
1308307	ÖLFLEX® 408 P 7G1,5	7	Yes	1.5 mm ²	0.35 in	677.34 lb/10000 ft
1308312	ÖLFLEX® 408 P 12G1,5	12	Yes	1.5 mm ²	0.472 in	1161.16 lb/10000 ft
1308318	ÖLFLEX® 408 P 18G1,5	18	Yes	1.5 mm ²	0.567 in	1741.74 lb/10000 ft
1308325	ÖLFLEX® 408 P 25G1,5	25	Yes	1.5 mm ²	0.665 in	2419.09 lb/10000 ft
1308403	ÖLFLEX® 408 P 3G2,5	3	Yes	2.5 mm ²	0.319 in	483.82 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1308404	ÖLFLEX® 408 P 4G2,5	4	Yes	2.5 mm ²	0.35 in	645.09 lb/10000 ft
1308405	ÖLFLEX® 408 P 5G2,5	5	Yes	2.5 mm ²	0.394 in	806.36 lb/10000 ft
1308407	ÖLFLEX® 408 P 7G2,5	7	Yes	2.5 mm ²	0.437 in	1128.91 lb/10000 ft
1308412	ÖLFLEX® 408 P 12G2,5	12	Yes	2.5 mm ²	0.583 in	1935.27 lb/10000 ft
1308504	ÖLFLEX® 408 P 4G4	4	Yes	4 mm ²	0.425 in	1032.14 lb/10000 ft
1308604	ÖLFLEX® 408 P 4G6	4	Yes	6 mm ²	0.512 in	1548.22 lb/10000 ft
1308605	ÖLFLEX® 408 P 5G6	5	Yes	6 mm ²	0.571 in	1935.27 lb/10000 ft
1308624	ÖLFLEX® 408 P 4G16	4	Yes	16 mm ²	0.74 in	4128.58 lb/10000 ft
1308802	ÖLFLEX® 408 P 2X0,5	2	No	0.5 mm ²	0.189 in	64.51 lb/10000 ft
1308803	ÖLFLEX® 408 P 3X0,5	3	No	0.5 mm ²	0.201 in	96.76 lb/10000 ft
1308804	ÖLFLEX® 408 P 4X0,5	4	No	0.5 mm ²	0.224 in	129.02 lb/10000 ft
1308807	ÖLFLEX® 408 P 7X0,5	7	No	0.5 mm ²	0.264 in	225.78 lb/10000 ft
1308852	ÖLFLEX® 408 P 2X0,75	2	No	0.75 mm ²	0.213 in	96.76 lb/10000 ft
1308853	ÖLFLEX® 408 P 3X0,75	3	No	0.75 mm ²	0.224 in	145.15 lb/10000 ft
1308854	ÖLFLEX® 408 P 4X0,75	4	No	0.75 mm ²	0.244 in	193.53 lb/10000 ft
1308902	ÖLFLEX® 408 P 2X1	2	No	1 mm ²	0.224 in	129.02 lb/10000 ft
1308903	ÖLFLEX® 408 P 3X1	3	No	1 mm ²	0.236 in	193.53 lb/10000 ft
1308904	ÖLFLEX® 408 P 4X1	4	No	1 mm ²	0.256 in	258.04 lb/10000 ft
1308952	ÖLFLEX® 408 P 2X1,5	2	No	1.5 mm ²	0.248 in	193.53 lb/10000 ft
1308954	ÖLFLEX® 408 P 4X1,5	4	No	1.5 mm ²	0.283 in	387.05 lb/10000 ft

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