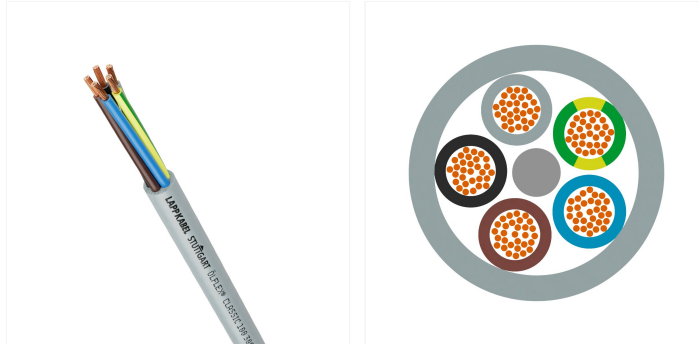


ÖLFLEX® CLASSIC 100 300/500V 3X0,75**Article No.:** 00101254

Power and control cable; 3X0.75; U_0/U : 300/500 V; PVC; Core identification: Colours; Flexible

**Details****Benefits**

- Numerous dimensions available for wide range of applications.
- Space-saving due to reduced wall thicknesses.
- High electrical safety thanks to 4000 V test voltage.
- High-quality alternative to control cable types YSLY or YY
- Classified fire behaviour 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.
- For fixed installation and occasional flexing without tensile strain.
- Cable design also suitable for torsion applications in wind turbines.
- Suitable for medium mechanical stress.
- Can be used in dry and damp rooms.
- The PVC outer sheath is resistant to acids and alkalis and has limited oil resistance.

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 surcharges and VAT. Sales only to business customers.

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.

Technical Data

General information

Brand	ÖLFLEX®
Product type	Power and control cable
Weight	55 kg/km
Copper index	21.6 kg/km

Electrical parameters

Nominal voltage	U ₀ /U: 300/500 V AC rms according to IEC
Test voltage	4 kV

Product design

Cable dimension	3X0.75
Conductor cross-section (mm ²)	0.75 mm ²
Conductor design	IEC 60228 class 5: fine-wire
Including protective conductor	No
Number of cores	3
Stranding type	Layered Stranding
Shielded	No
With armouring	No
Nominal outer diameter	5.7 mm
Shape of cable	Round
Core insulation base material	Polyvinylchloride
Core insulation base material, shortname	PVC

Base material of outer sheath	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Cable insulation colour	grey
Core identification	Colours
Core colour code	VDE 0293-1 VDE 0293-308

Product features

Application area	Flexible Fixed Installation Torsion
For torsional load	Yes
Minimum bending radius, fixed installation	4 x outer diameter
Minimum bending radius in mm, stationary	22.8 mm
Minimum bending radius, occasionally moved	15 x outer diameter
Minimum bending radius in mm, occasionally flexing	85.5 mm
Torsion	for +/- 150 °/m and min. 5 °C up to 5000 Torsion cycles for +/- 150 °/m and min. -20 °C up to 2000 Torsion cycles
temperature, fixed installation	-40 °C to 80 °C
Temperature, occasionally moved	-5 °C to 70 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	No
Chemical resistant	Yes
Halogenfree	No
Oil-resistant	No
PWIS-free	No

Certifications and standards

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

ÖLFLEX® CLASSIC 100 300/500 V

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
00100004	ÖLFLEX® CLASSIC 100 300/500V 2X0,5	2	No	0.5 mm ²	4.8 mm	9.6 kg/km	36 kg/km
00100014	ÖLFLEX® CLASSIC 100 300/500V 3G0,5	3	Yes	0.5 mm ²	5.1 mm	14.4 kg/km	42 kg/km
00100024	ÖLFLEX® CLASSIC 100 300/500V 4G0,5	4	Yes	0.5 mm ²	5.7 mm	19.2 kg/km	54 kg/km
00100034	ÖLFLEX® CLASSIC 100 300/500V 5G0,5	5	Yes	0.5 mm ²	6.2 mm	24 kg/km	63 kg/km
0010004	ÖLFLEX® CLASSIC 100 300/500V 6G0,5	6	Yes	0.5 mm ²	6.7 mm	28.8 kg/km	73 kg/km
0010005	ÖLFLEX® CLASSIC 100 300/500V 7G0,5	7	Yes	0.5 mm ²	6.7 mm	33.6 kg/km	81 kg/km
0010006	ÖLFLEX® CLASSIC 100 300/500V 8G0,5	8	Yes	0.5 mm ²	8 mm	38.4 kg/km	97 kg/km
0010007	ÖLFLEX® CLASSIC 100 300/500V 10G0,5	10	Yes	0.5 mm ²	8.6 mm	48 kg/km	116 kg/km
0010008	ÖLFLEX® CLASSIC 100 300/500V 12G0,5	12	Yes	0.5 mm ²	8.9 mm	58 kg/km	133 kg/km
0010009	ÖLFLEX® CLASSIC 100 300/500V 14G0,5	14	Yes	0.5 mm ²	9.5 mm	67 kg/km	151 kg/km
0010010	ÖLFLEX® CLASSIC 100 300/500V 16G0,5	16	Yes	0.5 mm ²	10 mm	76 kg/km	168 kg/km
0010011	ÖLFLEX® CLASSIC 100 300/500V 21G0,5	21	Yes	0.5 mm ²	11.7 mm	99 kg/km	224 kg/km
0010012	ÖLFLEX® CLASSIC 100 300/500V 24G0,5	24	Yes	0.5 mm ²	12.4 mm	114 kg/km	253 kg/km
0010016	ÖLFLEX® CLASSIC 100 300/500V 40G0,5	40	Yes	0.5 mm ²	15.4 mm	192 kg/km	400 kg/km
00100214	ÖLFLEX® CLASSIC 100 300/500V 2X0,75	2	No	0.75 mm ²	5.4 mm	14.4 kg/km	45 kg/km
00100224	ÖLFLEX® CLASSIC 100 300/500V 3G0,75	3	Yes	0.75 mm ²	5.7 mm	21.6 kg/km	55 kg/km
00100234	ÖLFLEX® CLASSIC 100 300/500V 4G0,75	4	Yes	0.75 mm ²	6.2 mm	28.8 kg/km	66 kg/km
00100244	ÖLFLEX® CLASSIC 100 300/500V 5G0,75	5	Yes	0.75 mm ²	6.7 mm	36 kg/km	79 kg/km
0010025	ÖLFLEX® CLASSIC 100 300/500V 6G0,75	6	Yes	0.75 mm ²	7.3 mm	43.3 kg/km	104 kg/km
0010026	ÖLFLEX® CLASSIC 100 300/500V 7G0,75	7	Yes	0.75 mm ²	7.3 mm	50.4 kg/km	101 kg/km
0010027	ÖLFLEX® CLASSIC 100 300/500V 8G0,75	8	Yes	0.75 mm ²	8.8 mm	56 kg/km	121 kg/km
0010028	ÖLFLEX® CLASSIC 100 300/500V 9G0,75	9	Yes	0.75 mm ²	9.4 mm	63 kg/km	137 kg/km
0010029	ÖLFLEX® CLASSIC 100 300/500V 10G0,75	10	Yes	0.75 mm ²	9.6 mm	72 kg/km	150 kg/km
0010030	ÖLFLEX® CLASSIC 100 300/500V 12G0,75	12	Yes	0.75 mm ²	9.9 mm	86.4 kg/km	171 kg/km
0010031	ÖLFLEX® CLASSIC 100 300/500V 15G0,75	15	Yes	0.75 mm ²	10.9 mm	108 kg/km	211 kg/km
0010032	ÖLFLEX® CLASSIC 100 300/500V 18G0,75	18	Yes	0.75 mm ²	11.7 mm	129.6 kg/km	244 kg/km
0010033	ÖLFLEX® CLASSIC 100 300/500V 21G0,75	21	Yes	0.75 mm ²	13 mm	151 kg/km	286 kg/km
0010034	ÖLFLEX® CLASSIC 100 300/500V 25G0,75	25	Yes	0.75 mm ²	13.8 mm	180 kg/km	337 kg/km
0010036	ÖLFLEX® CLASSIC 100 300/500V 40G0,75	40	Yes	0.75 mm ²	17.3 mm	288 kg/km	526 kg/km
0010037	ÖLFLEX® CLASSIC 100 300/500V 50G0,75	50	Yes	0.75 mm ²	19.2 mm	360 kg/km	648 kg/km

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
00100414	ÖLFLEX® CLASSIC 100 300/500V 2X1	2	No	1 mm ²	5.7 mm	19.2 kg/km	53 kg/km
00100424	ÖLFLEX® CLASSIC 100 300/500V 3G1	3	Yes	1 mm ²	6 mm	28.8 kg/km	65 kg/km
00100434	ÖLFLEX® CLASSIC 100 300/500V 4G1	4	Yes	1 mm ²	6.5 mm	38.4 kg/km	79 kg/km
00100444	ÖLFLEX® CLASSIC 100 300/500V 5G1	5	Yes	1 mm ²	7.1 mm	48 kg/km	94 kg/km
0010045	ÖLFLEX® CLASSIC 100 300/500V 6G1	6	Yes	1 mm ²	8 mm	58 kg/km	113 kg/km
0010046	ÖLFLEX® CLASSIC 100 300/500V 7G1	7	Yes	1 mm ²	8 mm	67 kg/km	118 kg/km
0010047	ÖLFLEX® CLASSIC 100 300/500V 8G1	8	Yes	1 mm ²	9.5 mm	77 kg/km	149 kg/km
0010049	ÖLFLEX® CLASSIC 100 300/500V 10G1	10	Yes	1 mm ²	10.2 mm	96 kg/km	180 kg/km
0010050	ÖLFLEX® CLASSIC 100 300/500V 12G1	12	Yes	1 mm ²	10.5 mm	115 kg/km	215 kg/km
0010052	ÖLFLEX® CLASSIC 100 300/500V 16G1	16	Yes	1 mm ²	11.8 mm	154 kg/km	266 kg/km
0010053	ÖLFLEX® CLASSIC 100 300/500V 18G1	18	Yes	1 mm ²	12.7 mm	173 kg/km	300 kg/km
0010054	ÖLFLEX® CLASSIC 100 300/500V 20G1	20	Yes	1 mm ²	13.4 mm	192 kg/km	330 kg/km
0010056	ÖLFLEX® CLASSIC 100 300/500V 25G1	25	Yes	1 mm ²	14.7 mm	240 kg/km	408 kg/km
00100634	ÖLFLEX® CLASSIC 100 300/500V 2X1,5	2	No	1.5 mm ²	6.3 mm	28.8 kg/km	68 kg/km
00100644	ÖLFLEX® CLASSIC 100 300/500V 3G1,5	3	Yes	1.5 mm ²	6.7 mm	43.2 kg/km	84 kg/km
00100654	ÖLFLEX® CLASSIC 100 300/500V 4G1,5	4	Yes	1.5 mm ²	7.2 mm	57.6 kg/km	104 kg/km
00100664	ÖLFLEX® CLASSIC 100 300/500V 5G1,5	5	Yes	1.5 mm ²	8.1 mm	72 kg/km	128 kg/km
0010068	ÖLFLEX® CLASSIC 100 300/500V 7G1,5	7	Yes	1.5 mm ²	8.9 mm	101 kg/km	166 kg/km
0010069	ÖLFLEX® CLASSIC 100 300/500V 8G1,5	8	Yes	1.5 mm ²	10.6 mm	115 kg/km	205 kg/km
0010071	ÖLFLEX® CLASSIC 100 300/500V 12G1,5	12	Yes	1.5 mm ²	12 mm	173 kg/km	279 kg/km
0010072	ÖLFLEX® CLASSIC 100 300/500V 14G1,5	14	Yes	1.5 mm ²	12.7 mm	202 kg/km	314 kg/km
0010074	ÖLFLEX® CLASSIC 100 300/500V 18G1,5	18	Yes	1.5 mm ²	14.4 mm	259 kg/km	407 kg/km
0010076	ÖLFLEX® CLASSIC 100 300/500V 25G1,5	25	Yes	1.5 mm ²	16.9 mm	360 kg/km	560 kg/km
00101224	ÖLFLEX® CLASSIC 100 300/500V 3X0,5	3	No	0.5 mm ²	5.1 mm	14.4 kg/km	42 kg/km
00101234	ÖLFLEX® CLASSIC 100 300/500V 4X0,5	4	No	0.5 mm ²	5.7 mm	19.2 kg/km	54 kg/km
00101244	ÖLFLEX® CLASSIC 100 300/500V 5X0,5	5	No	0.5 mm ²	6.2 mm	24 kg/km	63 kg/km
00101254	ÖLFLEX® CLASSIC 100 300/500V 3X0,75	3	No	0.75 mm ²	5.7 mm	21.6 kg/km	55 kg/km
00101264	ÖLFLEX® CLASSIC 100 300/500V 4X0,75	4	No	0.75 mm ²	6.2 mm	28.8 kg/km	66 kg/km
00101274	ÖLFLEX® CLASSIC 100 300/500V 5X0,75	5	No	0.75 mm ²	6.7 mm	36 kg/km	79 kg/km
00101284	ÖLFLEX® CLASSIC 100 300/500V 3X1,5	3	No	1.5 mm ²	6.7 mm	43.2 kg/km	84 kg/km

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
00101294	ÖLFLEX® CLASSIC 100 300/500V 4X1,5	4	No	1.5 mm ²	7.2 mm	57.6 kg/km	104 kg/km
00101304	ÖLFLEX® CLASSIC 100 300/500V 5X1,5	5	No	1.5 mm ²	8.1 mm	72 kg/km	128 kg/km
00102034	ÖLFLEX® CLASSIC 100 300/500V 3X1	3	No	1 mm ²	6 mm	28.8 kg/km	65 kg/km
00102044	ÖLFLEX® CLASSIC 100 300/500V 4X1	4	No	1 mm ²	6.5 mm	38.4 kg/km	79 kg/km
00102054	ÖLFLEX® CLASSIC 100 300/500V 5X1	5	No	1 mm ²	7.1 mm	48 kg/km	94 kg/km
1120800	ÖLFLEX® CLASSIC 100 300/500V 2X2,5	2	No	2.5 mm ²	7.5 mm	48 kg/km	100 kg/km
1120801	ÖLFLEX® CLASSIC 100 300/500V 3G2,5	3	Yes	2.5 mm ²	8.1 mm	72 kg/km	132 kg/km
1120802	ÖLFLEX® CLASSIC 100 300/500V 4G2,5	4	Yes	2.5 mm ²	8.9 mm	96 kg/km	163 kg/km
1120803	ÖLFLEX® CLASSIC 100 300/500V 5G2,5	5	Yes	2.5 mm ²	10 mm	120 kg/km	200 kg/km
1120804	ÖLFLEX® CLASSIC 100 300/500V 7G2,5	7	Yes	2.5 mm ²	11.1 mm	168 kg/km	267 kg/km
1120805	ÖLFLEX® CLASSIC 100 300/500V 2X4	2	No	4 mm ²	9.2 mm	77 kg/km	160 kg/km
1120806	ÖLFLEX® CLASSIC 100 300/500V 3G4	3	Yes	4 mm ²	9.9 mm	115.2 kg/km	201 kg/km
1120807	ÖLFLEX® CLASSIC 100 300/500V 4G4	4	Yes	4 mm ²	10.8 mm	153.6 kg/km	263 kg/km
1120808	ÖLFLEX® CLASSIC 100 300/500V 5G4	5	Yes	4 mm ²	12.1 mm	192 kg/km	315 kg/km
1120809	ÖLFLEX® CLASSIC 100 300/500V 7G4	7	Yes	4 mm ²	13.4 mm	269 kg/km	407 kg/km
1120810	ÖLFLEX® CLASSIC 100 300/500V 3G6	3	Yes	6 mm ²	11.7 mm	174 kg/km	289 kg/km
1120811	ÖLFLEX® CLASSIC 100 300/500V 4G6	4	Yes	6 mm ²	13 mm	230 kg/km	352 kg/km
1120812	ÖLFLEX® CLASSIC 100 300/500V 5G6	5	Yes	6 mm ²	14.5 mm	288 kg/km	470 kg/km
1120813	ÖLFLEX® CLASSIC 100 300/500V 7G6	7	Yes	6 mm ²	16 mm	403 kg/km	600 kg/km
1120814	ÖLFLEX® CLASSIC 100 300/500V 3G10	3	Yes	10 mm ²	14.6 mm	288 kg/km	466 kg/km
1120815	ÖLFLEX® CLASSIC 100 300/500V 4G10	4	Yes	10 mm ²	16.2 mm	384 kg/km	590 kg/km
1120816	ÖLFLEX® CLASSIC 100 300/500V 5G10	5	Yes	10 mm ²	18.1 mm	480 kg/km	722 kg/km
1120817	ÖLFLEX® CLASSIC 100 300/500V 3G16	3	Yes	16 mm ²	17 mm	460.8 kg/km	720 kg/km
1120818	ÖLFLEX® CLASSIC 100 300/500V 4G16	4	Yes	16 mm ²	18.8 mm	614.4 kg/km	870 kg/km
1120819	ÖLFLEX® CLASSIC 100 300/500V 5G16	5	Yes	16 mm ²	21.2 mm	768 kg/km	1110 kg/km
1120820	ÖLFLEX® CLASSIC 100 300/500V 3G25	3	Yes	25 mm ²	21 mm	720 kg/km	1080 kg/km
1120821	ÖLFLEX® CLASSIC 100 300/500V 4G25	4	Yes	25 mm ²	23.5 mm	960 kg/km	1350 kg/km
1120822	ÖLFLEX® CLASSIC 100 300/500V 5G25	5	Yes	25 mm ²	26.4 mm	1,200 kg/km	1720 kg/km
1120823	ÖLFLEX® CLASSIC 100 300/500V 3G35	3	Yes	35 mm ²	23.7 mm	1,008 kg/km	1420 kg/km
1120824	ÖLFLEX® CLASSIC 100 300/500V 4G35	4	Yes	35 mm ²	26.4 mm	1,344 kg/km	1890 kg/km

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
1120825	ÖLFLEX® CLASSIC 100 300/500V 5G35	5	Yes	35 mm ²	29.6 mm	1,680 kg/km	2320 kg/km
1120826	ÖLFLEX® CLASSIC 100 300/500V 3G50	3	Yes	50 mm ²	29.1 mm	1,440 kg/km	2080 kg/km
1120827	ÖLFLEX® CLASSIC 100 300/500V 4G50	4	Yes	50 mm ²	32.4 mm	1,920 kg/km	2680 kg/km
1120828	ÖLFLEX® CLASSIC 100 300/500V 5G50	5	Yes	50 mm ²	36.5 mm	2,400 kg/km	3350 kg/km