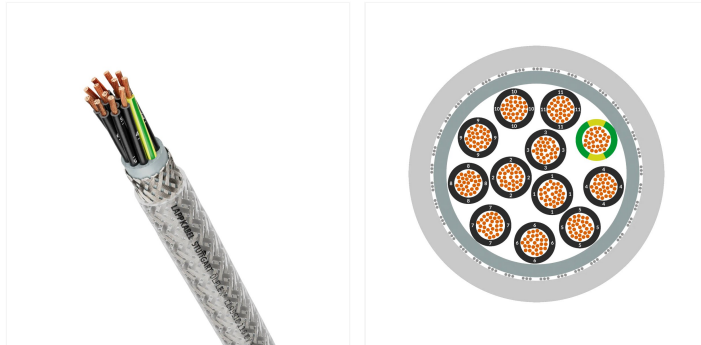


ÖLFLEX® CLASSIC 110 CY 25G0,5

Article No.: 1135025

Power and control cable; 25G0.5; U_0/U : 300/500 V; PVC; Core identification: Numbers; Shielded; Flexible; VDE registration number: 7030



Details

Benefits

- Space-saving due to reduced wall thicknesses.
- High electrical safety thanks to 4000 V test voltage.
- Ideal protection against electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.
- Certified quality and tested properties thanks to VDE registration.
- 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 movement without tensile strain.
- Suitable for medium mechanical stress.
- Can be used in dry and damp spaces.
- The PVC outer sheath is resistant to acids and alkalis and has limited oil resistance.

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	ÖLFLEX®
Product type	Power and control cable
Weight	378 kg/km
Copper index	250 kg/km
Industry segment	Agricultural & Farm Machinery Assembly Machines Automotive Construction Machinery Power Grids Food & Beverage Healthcare & Pharma HVAC Intralogistics Lifts & Elevators Machine tools Packaging Processing Industries Robotics Rolling Stock Ships & boats Renewable Energy: Solar

Electrical parameters

Nominal voltage	U_0/U : 300/500 V AC rms according to IEC
Test voltage core/core	4 kV
Test voltage core/screening	4 kV
Max. conductor resistance at 20°C	39 Ω /km
Conductor/conductor operating capacitance (800Hz), approx.	111 nF/km
Conductor/shielding operating capacitance (800Hz), approx.	172 nF/km
Inductance (800 Hz), approx.	0.722 mH/km

Product design

Cable dimension	25G0.5
Nominal conductor cross-section (metric)	0.5 mm ²
Conductor material	Bare copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective earth	Yes
Number of cores	25
Stranding type	Layered stranding
Shielded	Yes
Type of overall screen	Tin-plated copper braiding
With armouring	No
Nominal outer diameter	15.2 mm
Shape of cable	Round
Core insulation basic material	Polyvinylchloride
Core insulation basic material, short form	PVC
Basic material of inner sheath	Polyvinylchloride
base material inner sheath shortname	PVC
Basic material of outer sheath	Polyvinylchloride
Basic material of outer sheath, short form	PVC

Outer sheath colour	transparent
Core identification	Numbers
Conductor colour code	VDE 0293-1 EN 50334

Product features

Application area	Flexible Fixed installation
For continuous flexing	No
For torsional load	No
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in mm, fixed installation	91.2 mm
Minimum bending radius, occasionally flexing	20 x outer diameter
Minimum bending radius in mm, occasionally flexing	304 mm
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature
Temperature, fixed installation max	80 °C
Temperature, fixed installation min	-40 °C
max. conductor temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature
Temperature, occasionally moved max	70 °C
Temperature, occasionally moved min	-5 °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	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marked	Yes
EAC-certified	Yes
EAC certification number	EA3C N RU Д-DE.АЮ64.В.00130/20
VDE certified	Yes
VDE registration number	7030
DNV-certified	No
CPR fire class	Eca
Flame retardance tested according to UN /ECE-R118	No
Ecolab certified	No

ÖLFLEX® CLASSIC 110 CY

Article No.	Name	Number of cores	Including protective earth	Nominal conductor cross-section (metric)	Nominal outer diameter	Copper index	Weight
1135003	ÖLFLEX® CLASSIC 110 CY 3G0,5	3	Yes	0.5 mm ²	7.3 mm	45.5 kg/km	83 kg/km
1135004	ÖLFLEX® CLASSIC 110 CY 4G0,5	4	Yes	0.5 mm ²	7.9 mm	55 kg/km	99 kg/km
1135005	ÖLFLEX® CLASSIC 110 CY 5G0,5	5	Yes	0.5 mm ²	8.4 mm	66 kg/km	112 kg/km
1135007	ÖLFLEX® CLASSIC 110 CY 7G0,5	7	Yes	0.5 mm ²	8.9 mm	80.5 kg/km	132 kg/km
1135012	ÖLFLEX® CLASSIC 110 CY 12G0,5	12	Yes	0.5 mm ²	11.3 mm	138.5 kg/km	202 kg/km
1135018	ÖLFLEX® CLASSIC 110 CY 18G0,5	18	Yes	0.5 mm ²	13.3 mm	156.4 kg/km	289 kg/km
1135025	ÖLFLEX® CLASSIC 110 CY 25G0,5	25	Yes	0.5 mm ²	15.2 mm	250 kg/km	378 kg/km
1135030	ÖLFLEX® CLASSIC 110 CY 30G0,5	30	Yes	0.5 mm ²	16.1 mm	297 kg/km	429 kg/km
1135040	ÖLFLEX® CLASSIC 110 CY 40G0,5	40	Yes	0.5 mm ²	18.2 mm	343 kg/km	542 kg/km
1135103	ÖLFLEX® CLASSIC 110 CY 3G0,75	3	Yes	0.75 mm ²	7.9 mm	57.9 kg/km	100 kg/km
1135104	ÖLFLEX® CLASSIC 110 CY 4G0,75	4	Yes	0.75 mm ²	8.4 mm	64 kg/km	115 kg/km
1135105	ÖLFLEX® CLASSIC 110 CY 5G0,75	5	Yes	0.75 mm ²	8.9 mm	77.4 kg/km	130 kg/km
1135107	ÖLFLEX® CLASSIC 110 CY 7G0,75	7	Yes	0.75 mm ²	9.7 mm	102 kg/km	158 kg/km
1135112	ÖLFLEX® CLASSIC 110 CY 12G0,75	12	Yes	0.75 mm ²	12.3 mm	177 kg/km	247 kg/km
1135118	ÖLFLEX® CLASSIC 110 CY 18G0,75	18	Yes	0.75 mm ²	14.5 mm	243 kg/km	356 kg/km
1135125	ÖLFLEX® CLASSIC 110 CY 25G0,75	25	Yes	0.75 mm ²	16.6 mm	307.3 kg/km	465 kg/km
1135134	ÖLFLEX® CLASSIC 110 CY 34G0,75	34	Yes	0.75 mm ²	18.9 mm	323.2 kg/km	601 kg/km
1135141	ÖLFLEX® CLASSIC 110 CY 41G0,75	41	Yes	0.75 mm ²	20.6 mm	488 kg/km	728 kg/km
1135203	ÖLFLEX® CLASSIC 110 CY 3G1	3	Yes	1 mm ²	8.2 mm	65.3 kg/km	111 kg/km
1135204	ÖLFLEX® CLASSIC 110 CY 4G1	4	Yes	1 mm ²	8.7 mm	78.1 kg/km	149 kg/km
1135205	ÖLFLEX® CLASSIC 110 CY 5G1	5	Yes	1 mm ²	9.5 mm	89.4 kg/km	153 kg/km
1135207	ÖLFLEX® CLASSIC 110 CY 7G1	7	Yes	1 mm ²	10.2 mm	113.3 kg/km	185 kg/km
1135212	ÖLFLEX® CLASSIC 110 CY 12G1	12	Yes	1 mm ²	13.3 mm	188.1 kg/km	300 kg/km
1135216	ÖLFLEX® CLASSIC 110 CY 16G1	16	Yes	1 mm ²	14.6 mm	216 kg/km	390 kg/km
1135218	ÖLFLEX® CLASSIC 110 CY 18G1	18	Yes	1 mm ²	15.5 mm	286 kg/km	418 kg/km
1135225	ÖLFLEX® CLASSIC 110 CY 25G1	25	Yes	1 mm ²	17.5 mm	388.5 kg/km	544 kg/km
1135234	ÖLFLEX® CLASSIC 110 CY 34G1	34	Yes	1 mm ²	20.3 mm	505 kg/km	738 kg/km
1135241	ÖLFLEX® CLASSIC 110 CY 41G1	41	Yes	1 mm ²	22 mm	578 kg/km	864 kg/km
1135250	ÖLFLEX® CLASSIC 110 CY 50G1	50	Yes	1 mm ²	23.8 mm	688 kg/km	1011 kg/km
1135303	ÖLFLEX® CLASSIC 110 CY 3G1,5	3	Yes	1.5 mm ²	8.9 mm	83 kg/km	128 kg/km

Article No.	Name	Number of cores	Including protective earth	Nominal conductor cross-section (metric)	Nominal outer diameter	Copper index	Weight
1135304	ÖLFLEX® CLASSIC 110 CY 4G1,5	4	Yes	1.5 mm ²	9.6 mm	100 kg/km	163 kg/km
1135305	ÖLFLEX® CLASSIC 110 CY 5G1,5	5	Yes	1.5 mm ²	10.3 mm	125 kg/km	188 kg/km
1135307	ÖLFLEX® CLASSIC 110 CY 7G1,5	7	Yes	1.5 mm ²	11.3 mm	149 kg/km	238 kg/km
1135312	ÖLFLEX® CLASSIC 110 CY 12G1,5	12	Yes	1.5 mm ²	14.8 mm	280 kg/km	393 kg/km
1135318	ÖLFLEX® CLASSIC 110 CY 18G1,5	18	Yes	1.5 mm ²	17.2 mm	389 kg/km	538 kg/km
1135325	ÖLFLEX® CLASSIC 110 CY 25G1,5	25	Yes	1.5 mm ²	20.1 mm	535 kg/km	745 kg/km
1135334	ÖLFLEX® CLASSIC 110 CY 34G1,5	34	Yes	1.5 mm ²	22.8 mm	702 kg/km	964 kg/km
1135341	ÖLFLEX® CLASSIC 110 CY 41G1,5	41	Yes	1.5 mm ²	24.7 mm	844.6 kg/km	1123 kg/km
1135350	ÖLFLEX® CLASSIC 110 CY 50G1,5	50	Yes	1.5 mm ²	27.1 mm	1006 kg/km	1372 kg/km
1135402	ÖLFLEX® CLASSIC 110 CY 2X2,5	2	No	2.5 mm ²	9.9 mm	112 kg/km	165 kg/km
1135403	ÖLFLEX® CLASSIC 110 CY 3G2,5	3	Yes	2.5 mm ²	10.3 mm	146 kg/km	192 kg/km
1135404	ÖLFLEX® CLASSIC 110 CY 4G2,5	4	Yes	2.5 mm ²	11.3 mm	167 kg/km	228 kg/km
1135405	ÖLFLEX® CLASSIC 110 CY 5G2,5	5	Yes	2.5 mm ²	12.6 mm	200 kg/km	283 kg/km
1135407	ÖLFLEX® CLASSIC 110 CY 7G2,5	7	Yes	2.5 mm ²	13.9 mm	288 kg/km	371 kg/km
1135412	ÖLFLEX® CLASSIC 110 CY 12G2,5	12	Yes	2.5 mm ²	17.6 mm	477.3 kg/km	585 kg/km
1135502	ÖLFLEX® CLASSIC 110 CY 2X4	2	No	4 mm ²	11.4 mm	120 kg/km	247 kg/km
1135504	ÖLFLEX® CLASSIC 110 CY 4G4	4	Yes	4 mm ²	13.4 mm	237 kg/km	347 kg/km
1135505	ÖLFLEX® CLASSIC 110 CY 5G4	5	Yes	4 mm ²	14.7 mm	280 kg/km	413 kg/km
1135602	ÖLFLEX® CLASSIC 110 CY 2X6	2	No	6 mm ²	13.6 mm	180 kg/km	353 kg/km
1135604	ÖLFLEX® CLASSIC 110 CY 4G6	4	Yes	6 mm ²	15.8 mm	318 kg/km	485 kg/km
1135605	ÖLFLEX® CLASSIC 110 CY 5G6	5	Yes	6 mm ²	17.3 mm	441 kg/km	702 kg/km
1135607	ÖLFLEX® CLASSIC 110 CY 7G6	7	Yes	6 mm ²	18.8 mm	530 kg/km	950 kg/km
1135614	ÖLFLEX® CLASSIC 110 CY 4G10	4	Yes	10 mm ²	19 mm	518 kg/km	735 kg/km
1135615	ÖLFLEX® CLASSIC 110 CY 3G10	3	Yes	10 mm ²	17.4 mm	362.4 kg/km	507 kg/km
1135616	ÖLFLEX® CLASSIC 110 CY 5G10	5	Yes	10 mm ²	21.3 mm	595 kg/km	847 kg/km
1135617	ÖLFLEX® CLASSIC 110 CY 7G10	7	Yes	10 mm ²	23.2 mm	796 kg/km	1039 kg/km
1135622	ÖLFLEX® CLASSIC 110 CY 2X16	2	No	16 mm ²	18.6 mm	390 kg/km	698 kg/km
1135623	ÖLFLEX® CLASSIC 110 CY 5G16	5	Yes	16 mm ²	24.4 mm	935 kg/km	1440 kg/km
1135624	ÖLFLEX® CLASSIC 110 CY 4G16	4	Yes	16 mm ²	22.2 mm	804 kg/km	1395 kg/km
1135625	ÖLFLEX® CLASSIC 110 CY 4G35	4	Yes	35 mm ²	30.2 mm	1543 kg/km	2210 kg/km

Article No.	Name	Number of cores	Including protective earth	Nominal conductor cross-section (metric)	Nominal outer diameter	Copper index	Weight
1135626	ÖLFLEX® CLASSIC 110 CY 4G25	4	Yes	25 mm ²	26.9 mm	1161 kg/km	1730 kg/km
1135627	ÖLFLEX® CLASSIC 110 CY 5G25	5	Yes	25 mm ²	30 mm	1400 kg/km	2090 kg/km
1135628	ÖLFLEX® CLASSIC 110 CY 5G35	5	Yes	35 mm ²	33.2 mm	1901 kg/km	2710 kg/km
1135702	ÖLFLEX® CLASSIC 110 CY 2X10	2	No	10 mm ²	16.4 mm	256 kg/km	492 kg/km
1135752	ÖLFLEX® CLASSIC 110 CY 2X0,5	2	No	0.5 mm ²	7 mm	41 kg/km	75 kg/km
1135753	ÖLFLEX® CLASSIC 110 CY 3X0,5	3	No	0.5 mm ²	7.3 mm	45.5 kg/km	83 kg/km
1135754	ÖLFLEX® CLASSIC 110 CY 4X0,5	4	No	0.5 mm ²	7.9 mm	55 kg/km	99 kg/km
1135755	ÖLFLEX® CLASSIC 110 CY 5X0,5	5	No	0.5 mm ²	8.4 mm	66 kg/km	112 kg/km
1135757	ÖLFLEX® CLASSIC 110 CY 7X0,5	7	No	0.5 mm ²	8.9 mm	80.5 kg/km	132 kg/km
1135762	ÖLFLEX® CLASSIC 110 CY 12X0,5	12	No	0.5 mm ²	11.3 mm	138.5 kg/km	202 kg/km
1135802	ÖLFLEX® CLASSIC 110 CY 2X0,75	2	No	0.75 mm ²	7.4 mm	46 kg/km	86 kg/km
1135803	ÖLFLEX® CLASSIC 110 CY 3X0,75	3	No	0.75 mm ²	7.9 mm	57.9 kg/km	100 kg/km
1135804	ÖLFLEX® CLASSIC 110 CY 4X0,75	4	No	0.75 mm ²	8.4 mm	64 kg/km	115 kg/km
1135805	ÖLFLEX® CLASSIC 110 CY 5X0,75	5	No	0.75 mm ²	8.9 mm	77.4 kg/km	130 kg/km
1135807	ÖLFLEX® CLASSIC 110 CY 7X0,75	7	No	0.75 mm ²	9.7 mm	102 kg/km	161 kg/km
1135812	ÖLFLEX® CLASSIC 110 CY 12X0,75	12	No	0.75 mm ²	12.3 mm	177 kg/km	247 kg/km
1135818	ÖLFLEX® CLASSIC 110 CY 18X0,75	18	No	0.75 mm ²	14.5 mm	243 kg/km	356 kg/km
1135840	ÖLFLEX® CLASSIC 110 CY 40X0,75	40	No	0.75 mm ²	20.5 mm	369.4 kg/km	734 kg/km
1135852	ÖLFLEX® CLASSIC 110 CY 2X1	2	No	1 mm ²	7.9 mm	56 kg/km	100 kg/km
1135853	ÖLFLEX® CLASSIC 110 CY 3X1	3	No	1 mm ²	8.2 mm	65.3 kg/km	111 kg/km
1135854	ÖLFLEX® CLASSIC 110 CY 4X1	4	No	1 mm ²	8.7 mm	78.1 kg/km	130 kg/km
1135902	ÖLFLEX® CLASSIC 110 CY 2X1,5	2	No	1.5 mm ²	8.5 mm	65 kg/km	117 kg/km
1135903	ÖLFLEX® CLASSIC 110 CY 3X1,5	3	No	1.5 mm ²	8.9 mm	83 kg/km	136 kg/km
1135904	ÖLFLEX® CLASSIC 110 CY 4X1,5	4	No	1.5 mm ²	9.6 mm	100 kg/km	163 kg/km
1135905	ÖLFLEX® CLASSIC 110 CY 5X1,5	5	No	1.5 mm ²	10.3 mm	125 kg/km	188 kg/km
1135907	ÖLFLEX® CLASSIC 110 CY 7X1,5	7	No	1.5 mm ²	11.3 mm	149 kg/km	237 kg/km

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