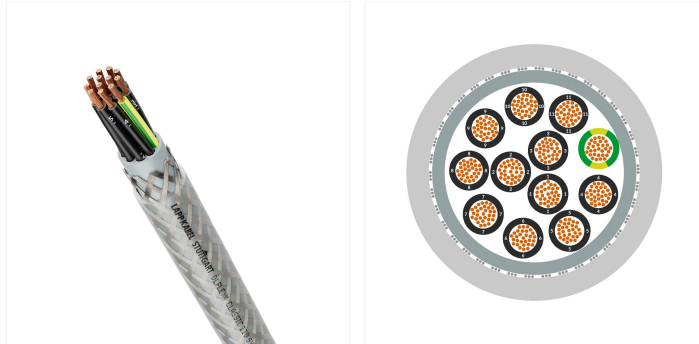


ÖLFLEX® CLASSIC 110 SY 9G0,75**Article No.:** 1125109

Power and control cable; 9G0.75; U_0/U : 300/500 V; PVC; Core identification: Numbers;
Flexible; VDE registration number: 7030

**Details****Benefits**

- Numerous dimensions available for wide range of applications.
- Steel wire braiding provides enhanced protection in applications with increased mechanical stress.
- Additional robustness thanks to the extruded inner sheath.
- High electrical safety thanks to 4000 V test voltage.
- VDE-tested quality.
- 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.
- Can be used in dry, damp or wet interiors.
- Suitable for medium mechanical stress.
- The PVC outer sheath is resistant to acids and alkalis.

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.

Remarks

Technical Data

General information

Brand	ÖLFLEX®
Product type	Power and control cable
Weight	224 kg/km
Copper index	65 kg/km

Electrical parameters

Nominal voltage	U_0/U : 300/500 V AC rms according to IEC
Test voltage	4 kV
Max. conductor resistance at 20°C	26 Ω /km
Mutual capacitance core/core (800Hz), approx.	121 nF/km
Mutual capacitance core/shield (800Hz), approx.	188 nF/km
Inductance (800 Hz), approx.	0.688 mH/km

Product design

Cable dimension	9G0.75
Conductor cross-section (mm ²)	0.75 mm ²
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective conductor	Yes

Number of cores	9
Stranding type	Layered Stranding
Shielded	No
With armouring	Yes
Armouring type	Galvanised steel wire braiding
Nominal outer diameter	12.4 mm
Shape of cable	Round
Core insulation base material	Polyvinylchloride
Core insulation base material, shortname	PVC
Basic material of inner sheath	Polyvinylchloride
Basic material of inner sheath, short form	PVC
colour inner sheath	grey
Base material of outer sheath	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Cable sheath colour	transparent
Core identification	Numbers
Core 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, fixed installation	6 x outer diameter
Minimum bending radius in mm, stationary	74.4 mm
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally flexing	248 mm
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	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marked	Yes
UKCA marked	Yes
EAC certified	Yes
EAC certification number	EAЭC 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 SY

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
1125003	ÖLFLEX® CLASSIC 110 SY 3G0,5	3	Yes	0.5 mm ²	8.1 mm	15 kg/km	95 kg/km
1125004	ÖLFLEX® CLASSIC 110 SY 4G0,5	4	Yes	0.5 mm ²	8.5 mm	19.2 kg/km	107 kg/km
1125005	ÖLFLEX® CLASSIC 110 SY 5G0,5	5	Yes	0.5 mm ²	9.2 mm	24 kg/km	123 kg/km
1125007	ÖLFLEX® CLASSIC 110 SY 7G0,5	7	Yes	0.5 mm ²	9.7 mm	33.6 kg/km	147 kg/km
1125010	ÖLFLEX® CLASSIC 110 SY 10G0,5	10	Yes	0.5 mm ²	11.6 mm	48 kg/km	196 kg/km
1125012	ÖLFLEX® CLASSIC 110 SY 12G0,5	12	Yes	0.5 mm ²	11.9 mm	58 kg/km	213 kg/km
1125014	ÖLFLEX® CLASSIC 110 SY 14G0,5	14	Yes	0.5 mm ²	12.5 mm	67 kg/km	237 kg/km
1125018	ÖLFLEX® CLASSIC 110 SY 18G0,5	18	Yes	0.5 mm ²	13.9 mm	86.4 kg/km	291 kg/km
1125021	ÖLFLEX® CLASSIC 110 SY 21G0,5	21	Yes	0.5 mm ²	14.9 mm	101 kg/km	332 kg/km
1125025	ÖLFLEX® CLASSIC 110 SY 25G0,5	25	Yes	0.5 mm ²	15.6 mm	120 kg/km	375 kg/km
1125030	ÖLFLEX® CLASSIC 110 SY 30G0,5	30	Yes	0.5 mm ²	16.5 mm	144 kg/km	475 kg/km
1125040	ÖLFLEX® CLASSIC 110 SY 40G0,5	40	Yes	0.5 mm ²	18.8 mm	192 kg/km	545 kg/km
1125061	ÖLFLEX® CLASSIC 110 SY 61G0,5	61	Yes	0.5 mm ²	21.9 mm	293 kg/km	773 kg/km
1125103	ÖLFLEX® CLASSIC 110 SY 3G0,75	3	Yes	0.75 mm ²	8.5 mm	21.6 kg/km	108 kg/km
1125104	ÖLFLEX® CLASSIC 110 SY 4G0,75	4	Yes	0.75 mm ²	9.2 mm	28.8 kg/km	126 kg/km
1125105	ÖLFLEX® CLASSIC 110 SY 5G0,75	5	Yes	0.75 mm ²	9.7 mm	36 kg/km	146 kg/km
1125107	ÖLFLEX® CLASSIC 110 SY 7G0,75	7	Yes	0.75 mm ²	10.3 mm	50 kg/km	172 kg/km
1125109	ÖLFLEX® CLASSIC 110 SY 9G0,75	9	Yes	0.75 mm ²	12.4 mm	65 kg/km	224 kg/km
1125112	ÖLFLEX® CLASSIC 110 SY 12G0,75	12	Yes	0.75 mm ²	12.9 mm	86 kg/km	260 kg/km
1125115	ÖLFLEX® CLASSIC 110 SY 15G0,75	15	Yes	0.75 mm ²	14.1 mm	108 kg/km	315 kg/km
1125118	ÖLFLEX® CLASSIC 110 SY 18G0,75	18	Yes	0.75 mm ²	14.9 mm	130 kg/km	355 kg/km
1125125	ÖLFLEX® CLASSIC 110 SY 25G0,75	25	Yes	0.75 mm ²	17 mm	180 kg/km	465 kg/km
1125134	ÖLFLEX® CLASSIC 110 SY 34G0,75	34	Yes	0.75 mm ²	19.3 mm	245 kg/km	596 kg/km
1125150	ÖLFLEX® CLASSIC 110 SY 50G0,75	50	Yes	0.75 mm ²	22.8 mm	360 kg/km	832 kg/km
1125203	ÖLFLEX® CLASSIC 110 SY 3G1	3	Yes	1 mm ²	8.8 mm	28.8 kg/km	119 kg/km
1125204	ÖLFLEX® CLASSIC 110 SY 4G1	4	Yes	1 mm ²	9.5 mm	38.4 kg/km	141 kg/km
1125205	ÖLFLEX® CLASSIC 110 SY 5G1	5	Yes	1 mm ²	10.1 mm	48 kg/km	164 kg/km
1125207	ÖLFLEX® CLASSIC 110 SY 7G1	7	Yes	1 mm ²	11 mm	67 kg/km	200 kg/km
1125208	ÖLFLEX® CLASSIC 110 SY 8G1	8	Yes	1 mm ²	12.5 mm	77 kg/km	234 kg/km
1125209	ÖLFLEX® CLASSIC 110 SY 9G1	9	Yes	1 mm ²	13.2 mm	86 kg/km	260 kg/km

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
1125212	ÖLFLEX® CLASSIC 110 SY 12G1	12	Yes	1 mm ²	13.9 mm	115 kg/km	309 kg/km
1125214	ÖLFLEX® CLASSIC 110 SY 14G1	14	Yes	1 mm ²	14.4 mm	134 kg/km	345 kg/km
1125218	ÖLFLEX® CLASSIC 110 SY 18G1	18	Yes	1 mm ²	15.9 mm	173 kg/km	415 kg/km
1125220	ÖLFLEX® CLASSIC 110 SY 20G1	20	Yes	1 mm ²	16.8 mm	192 kg/km	455 kg/km
1125225	ÖLFLEX® CLASSIC 110 SY 25G1	25	Yes	1 mm ²	18.1 mm	240 kg/km	548 kg/km
1125234	ÖLFLEX® CLASSIC 110 SY 34G1	34	Yes	1 mm ²	20.5 mm	326 kg/km	714 kg/km
1125241	ÖLFLEX® CLASSIC 110 SY 41G1	41	Yes	1 mm ²	22.2 mm	394 kg/km	832 kg/km
1125250	ÖLFLEX® CLASSIC 110 SY 50G1	50	Yes	1 mm ²	24.2 mm	480 kg/km	987 kg/km
1125303	ÖLFLEX® CLASSIC 110 SY 3G1,5	3	Yes	1.5 mm ²	9.7 mm	43 kg/km	151 kg/km
1125304	ÖLFLEX® CLASSIC 110 SY 4G1,5	4	Yes	1.5 mm ²	10.2 mm	58 kg/km	173 kg/km
1125305	ÖLFLEX® CLASSIC 110 SY 5G1,5	5	Yes	1.5 mm ²	11.1 mm	72 kg/km	202 kg/km
1125307	ÖLFLEX® CLASSIC 110 SY 7G1,5	7	Yes	1.5 mm ²	11.9 mm	101 kg/km	248 kg/km
1125308	ÖLFLEX® CLASSIC 110 SY 8G1,5	8	Yes	1.5 mm ²	14 mm	115 kg/km	320 kg/km
1125312	ÖLFLEX® CLASSIC 110 SY 12G1,5	12	Yes	1.5 mm ²	15.4 mm	173 kg/km	396 kg/km
1125314	ÖLFLEX® CLASSIC 110 SY 14G1,5	14	Yes	1.5 mm ²	15.9 mm	202 kg/km	438 kg/km
1125318	ÖLFLEX® CLASSIC 110 SY 18G1,5	18	Yes	1.5 mm ²	17.6 mm	259 kg/km	580 kg/km
1125325	ÖLFLEX® CLASSIC 110 SY 25G1,5	25	Yes	1.5 mm ²	20.3 mm	360 kg/km	713 kg/km
1125332	ÖLFLEX® CLASSIC 110 SY 32G1,5	32	Yes	1.5 mm ²	22.1 mm	461 kg/km	876 kg/km
1125350	ÖLFLEX® CLASSIC 110 SY 50G1,5	50	Yes	1.5 mm ²	27.1 mm	720 kg/km	1305 kg/km
1125403	ÖLFLEX® CLASSIC 110 SY 3G2,5	3	Yes	2.5 mm ²	11.1 mm	72 kg/km	206 kg/km
1125404	ÖLFLEX® CLASSIC 110 SY 4G2,5	4	Yes	2.5 mm ²	12.1 mm	96 kg/km	249 kg/km
1125405	ÖLFLEX® CLASSIC 110 SY 5G2,5	5	Yes	2.5 mm ²	13.2 mm	120 kg/km	295 kg/km
1125407	ÖLFLEX® CLASSIC 110 SY 7G2,5	7	Yes	2.5 mm ²	14.3 mm	168 kg/km	373 kg/km
1125412	ÖLFLEX® CLASSIC 110 SY 12G2,5	12	Yes	2.5 mm ²	18.2 mm	288 kg/km	586 kg/km
1125418	ÖLFLEX® CLASSIC 110 SY 18G2,5	18	Yes	2.5 mm ²	21.4 mm	432 kg/km	823 kg/km
1125425	ÖLFLEX® CLASSIC 110 SY 25G2,5	25	Yes	2.5 mm ²	24.4 mm	600 kg/km	1093 kg/km
1125503	ÖLFLEX® CLASSIC 110 SY 3G4	3	Yes	4 mm ²	12.7 mm	115 kg/km	285 kg/km
1125504	ÖLFLEX® CLASSIC 110 SY 4G4	4	Yes	4 mm ²	14 mm	154 kg/km	348 kg/km
1125505	ÖLFLEX® CLASSIC 110 SY 5G4	5	Yes	4 mm ²	15.1 mm	192 kg/km	410 kg/km
1125507	ÖLFLEX® CLASSIC 110 SY 7G4	7	Yes	4 mm ²	16.4 mm	269 kg/km	519 kg/km

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
1125604	ÖLFLEX® CLASSIC 110 SY 4G6	4	Yes	6 mm ²	16.2 mm	230 kg/km	482 kg/km
1125605	ÖLFLEX® CLASSIC 110 SY 5G6	5	Yes	6 mm ²	17.7 mm	288 kg/km	579 kg/km
1125607	ÖLFLEX® CLASSIC 110 SY 7G6	7	Yes	6 mm ²	19.2 mm	403 kg/km	740 kg/km
1125614	ÖLFLEX® CLASSIC 110 SY 4G10	4	Yes	10 mm ²	19.4 mm	384 kg/km	731 kg/km
1125615	ÖLFLEX® CLASSIC 110 SY 5G10	5	Yes	10 mm ²	21.5 mm	480 kg/km	889 kg/km
1125617	ÖLFLEX® CLASSIC 110 SY 7G10	7	Yes	10 mm ²	23.4 mm	672 kg/km	1146 kg/km
1125624	ÖLFLEX® CLASSIC 110 SY 4G16	4	Yes	16 mm ²	22.4 mm	614 kg/km	1384 kg/km
1125625	ÖLFLEX® CLASSIC 110 SY 5G16	5	Yes	16 mm ²	24.6 mm	768 kg/km	1740 kg/km
1125626	ÖLFLEX® CLASSIC 110 SY 4G25	4	Yes	25 mm ²	26.9 mm	960 kg/km	1680 kg/km
1125629	ÖLFLEX® CLASSIC 110 SY 4G35	4	Yes	35 mm ²	30.2 mm	1,344 kg/km	2170 kg/km
1125630	ÖLFLEX® CLASSIC 110 SY 5G25	5	Yes	25 mm ²	30 mm	1,200 kg/km	2050 kg/km
1125752	ÖLFLEX® CLASSIC 110 SY 2X0,5	2	No	0.5 mm ²	7.8 mm	10 kg/km	87 kg/km
1125802	ÖLFLEX® CLASSIC 110 SY 2X0,75	2	No	0.75 mm ²	8.2 mm	14.4 kg/km	97 kg/km
1125852	ÖLFLEX® CLASSIC 110 SY 2X1	2	No	1 mm ²	8.5 mm	19.2 kg/km	106 kg/km
1125902	ÖLFLEX® CLASSIC 110 SY 2X1,5	2	No	1.5 mm ²	9.3 mm	29 kg/km	117 kg/km