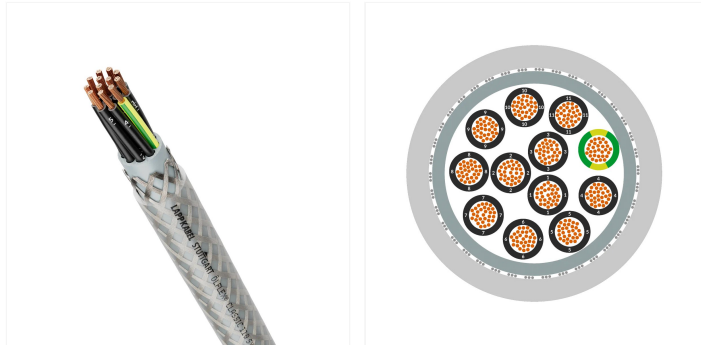


ÖLFLEX® CLASSIC 110 SY 9G1**Article No.:** 1125209

Power and control cable; 9G1; 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 jacket.
- High electrical safety thanks to 4000 V test voltage.
- 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.
- 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 jacket is resistant to acids and alkaline solutions.

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	577.8 lb/10000 ft
Industry segment	Robotics

Electrical parameters

Nominal voltage	U_0/U : 300/500 V AC rms according to IEC
test voltage	4 kV

Product design

Cable dimension	9G1
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	9
Stranding type	Layered Stranding
Shielded	No
With armoring	Yes
Armoring type	Galvanized steel wire braiding
Nominal outer diameter	0.52 in

Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
Basic material of inner jacket	Polyvinylchloride
Basic material of inner jacket, short form	PVC
colour inner sheath	gray
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	transparent
Core identification	Numbers
Conductor color code	VDE 0293-1 EN 50334

Product features

Application area	Flexible Fixed Installation
For permanent bending	No
For torsional load	No
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	3.118 in
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally moved	10.394 in
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature
Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature
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 marking	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
Resistance to flame propagation tested according to UN/ECE-R118	No
Ecolab certified	No

ÖLFLEX® CLASSIC 110 SY

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1125003	ÖLFLEX® CLASSIC 110 SY 3G0,5	3	Yes	0.5 mm ²	0.319 in	100.8 lb/10000 ft
1125004	ÖLFLEX® CLASSIC 110 SY 4G0,5	4	Yes	0.5 mm ²	0.335 in	129 lb/10000 ft
1125005	ÖLFLEX® CLASSIC 110 SY 5G0,5	5	Yes	0.5 mm ²	0.362 in	161.3 lb/10000 ft
1125007	ÖLFLEX® CLASSIC 110 SY 7G0,5	7	Yes	0.5 mm ²	0.382 in	225.8 lb/10000 ft
1125010	ÖLFLEX® CLASSIC 110 SY 10G0,5	10	Yes	0.5 mm ²	0.457 in	322.5 lb/10000 ft
1125012	ÖLFLEX® CLASSIC 110 SY 12G0,5	12	Yes	0.5 mm ²	0.469 in	389.7 lb/10000 ft
1125014	ÖLFLEX® CLASSIC 110 SY 14G0,5	14	Yes	0.5 mm ²	0.492 in	450.22 lb/10000 ft
1125018	ÖLFLEX® CLASSIC 110 SY 18G0,5	18	Yes	0.5 mm ²	0.547 in	580.5 lb/10000 ft
1125021	ÖLFLEX® CLASSIC 110 SY 21G0,5	21	Yes	0.5 mm ²	0.587 in	678.69 lb/10000 ft
1125025	ÖLFLEX® CLASSIC 110 SY 25G0,5	25	Yes	0.5 mm ²	0.614 in	806.3 lb/10000 ft
1125030	ÖLFLEX® CLASSIC 110 SY 30G0,5	30	Yes	0.5 mm ²	0.65 in	967.63 lb/10000 ft
1125040	ÖLFLEX® CLASSIC 110 SY 40G0,5	40	Yes	0.5 mm ²	0.74 in	1290 lb/10000 ft
1125061	ÖLFLEX® CLASSIC 110 SY 61G0,5	61	Yes	0.5 mm ²	0.862 in	1968.87 lb/10000 ft
1125103	ÖLFLEX® CLASSIC 110 SY 3G0,75	3	Yes	0.75 mm ²	0.335 in	145.13 lb/10000 ft
1125104	ÖLFLEX® CLASSIC 110 SY 4G0,75	4	Yes	0.75 mm ²	0.362 in	193.5 lb/10000 ft
1125105	ÖLFLEX® CLASSIC 110 SY 5G0,75	5	Yes	0.75 mm ²	0.382 in	241.9 lb/10000 ft
1125107	ÖLFLEX® CLASSIC 110 SY 7G0,75	7	Yes	0.75 mm ²	0.406 in	335.95 lb/10000 ft
1125109	ÖLFLEX® CLASSIC 110 SY 9G0,75	9	Yes	0.75 mm ²	0.488 in	436.78 lb/10000 ft
1125112	ÖLFLEX® CLASSIC 110 SY 12G0,75	12	Yes	0.75 mm ²	0.508 in	577.89 lb/10000 ft
1125115	ÖLFLEX® CLASSIC 110 SY 15G0,75	15	Yes	0.75 mm ²	0.555 in	725.73 lb/10000 ft
1125118	ÖLFLEX® CLASSIC 110 SY 18G0,75	18	Yes	0.75 mm ²	0.587 in	873.5 lb/10000 ft
1125125	ÖLFLEX® CLASSIC 110 SY 25G0,75	25	Yes	0.75 mm ²	0.669 in	1209.54 lb/10000 ft
1125203	ÖLFLEX® CLASSIC 110 SY 3G1	3	Yes	1 mm ²	0.346 in	193.5 lb/10000 ft
1125204	ÖLFLEX® CLASSIC 110 SY 4G1	4	Yes	1 mm ²	0.374 in	258 lb/10000 ft
1125205	ÖLFLEX® CLASSIC 110 SY 5G1	5	Yes	1 mm ²	0.398 in	322.5 lb/10000 ft
1125207	ÖLFLEX® CLASSIC 110 SY 7G1	7	Yes	1 mm ²	0.433 in	450.17 lb/10000 ft
1125208	ÖLFLEX® CLASSIC 110 SY 8G1	8	Yes	1 mm ²	0.492 in	517.42 lb/10000 ft
1125209	ÖLFLEX® CLASSIC 110 SY 9G1	9	Yes	1 mm ²	0.52 in	577.8 lb/10000 ft
1125212	ÖLFLEX® CLASSIC 110 SY 12G1	12	Yes	1 mm ²	0.547 in	772.7 lb/10000 ft
1125214	ÖLFLEX® CLASSIC 110 SY 14G1	14	Yes	1 mm ²	0.567 in	900.44 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1125218	ÖLFLEX® CLASSIC 110 SY 18G1	18	Yes	1 mm ²	0.626 in	1162.4 lb/10000 ft
1125220	ÖLFLEX® CLASSIC 110 SY 20G1	20	Yes	1 mm ²	0.661 in	1290.18 lb/10000 ft
1125225	ÖLFLEX® CLASSIC 110 SY 25G1	25	Yes	1 mm ²	0.713 in	1612.6 lb/10000 ft
1125234	ÖLFLEX® CLASSIC 110 SY 34G1	34	Yes	1 mm ²	0.807 in	2190.62 lb/10000 ft
1125241	ÖLFLEX® CLASSIC 110 SY 41G1	41	Yes	1 mm ²	0.874 in	2647.56 lb/10000 ft
1125250	ÖLFLEX® CLASSIC 110 SY 50G1	50	Yes	1 mm ²	0.953 in	3225.45 lb/10000 ft
1125303	ÖLFLEX® CLASSIC 110 SY 3G1,5	3	Yes	1.5 mm ²	0.382 in	288.9 lb/10000 ft
1125304	ÖLFLEX® CLASSIC 110 SY 4G1,5	4	Yes	1.5 mm ²	0.402 in	389.7 lb/10000 ft
1125305	ÖLFLEX® CLASSIC 110 SY 5G1,5	5	Yes	1.5 mm ²	0.437 in	483.76 lb/10000 ft
1125307	ÖLFLEX® CLASSIC 110 SY 7G1,5	7	Yes	1.5 mm ²	0.469 in	678.6 lb/10000 ft
1125308	ÖLFLEX® CLASSIC 110 SY 8G1,5	8	Yes	1.5 mm ²	0.551 in	772.7 lb/10000 ft
1125312	ÖLFLEX® CLASSIC 110 SY 12G1,5	12	Yes	1.5 mm ²	0.606 in	1162.4 lb/10000 ft
1125314	ÖLFLEX® CLASSIC 110 SY 14G1,5	14	Yes	1.5 mm ²	0.626 in	1357.2 lb/10000 ft
1125318	ÖLFLEX® CLASSIC 110 SY 18G1,5	18	Yes	1.5 mm ²	0.693 in	1740.2 lb/10000 ft
1125325	ÖLFLEX® CLASSIC 110 SY 25G1,5	25	Yes	1.5 mm ²	0.799 in	2418.8 lb/10000 ft
1125332	ÖLFLEX® CLASSIC 110 SY 32G1,5	32	Yes	1.5 mm ²	0.87 in	3097.5 lb/10000 ft
1125350	ÖLFLEX® CLASSIC 110 SY 50G1,5	50	Yes	1.5 mm ²	1.067 in	4838.18 lb/10000 ft
1125403	ÖLFLEX® CLASSIC 110 SY 3G2,5	3	Yes	2.5 mm ²	0.437 in	483.76 lb/10000 ft
1125404	ÖLFLEX® CLASSIC 110 SY 4G2,5	4	Yes	2.5 mm ²	0.476 in	645 lb/10000 ft
1125405	ÖLFLEX® CLASSIC 110 SY 5G2,5	5	Yes	2.5 mm ²	0.52 in	806.3 lb/10000 ft
1125407	ÖLFLEX® CLASSIC 110 SY 7G2,5	7	Yes	2.5 mm ²	0.563 in	1128.8 lb/10000 ft
1125412	ÖLFLEX® CLASSIC 110 SY 12G2,5	12	Yes	2.5 mm ²	0.717 in	1935.1 lb/10000 ft
1125418	ÖLFLEX® CLASSIC 110 SY 18G2,5	18	Yes	2.5 mm ²	0.843 in	2902.6 lb/10000 ft
1125425	ÖLFLEX® CLASSIC 110 SY 25G2,5	25	Yes	2.5 mm ²	0.961 in	4031.4 lb/10000 ft
1125503	ÖLFLEX® CLASSIC 110 SY 3G4	3	Yes	4 mm ²	0.5 in	772.7 lb/10000 ft
1125504	ÖLFLEX® CLASSIC 110 SY 4G4	4	Yes	4 mm ²	0.551 in	1034.7 lb/10000 ft
1125505	ÖLFLEX® CLASSIC 110 SY 5G4	5	Yes	4 mm ²	0.594 in	1290 lb/10000 ft
1125507	ÖLFLEX® CLASSIC 110 SY 7G4	7	Yes	4 mm ²	0.646 in	1807.4 lb/10000 ft
1125604	ÖLFLEX® CLASSIC 110 SY 4G6	4	Yes	6 mm ²	0.638 in	1545.37 lb/10000 ft
1125605	ÖLFLEX® CLASSIC 110 SY 5G6	5	Yes	6 mm ²	0.697 in	1935.1 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1125614	ÖLFLEX® CLASSIC 110 SY 4G10	4	Yes	10 mm ²	0.764 in	2580.1 lb/10000 ft
1125615	ÖLFLEX® CLASSIC 110 SY 5G10	5	Yes	10 mm ²	0.846 in	3225.1 lb/10000 ft
1125624	ÖLFLEX® CLASSIC 110 SY 4G16	4	Yes	16 mm ²	0.882 in	4125.5 lb/10000 ft
1125625	ÖLFLEX® CLASSIC 110 SY 5G16	5	Yes	16 mm ²	0.969 in	5160.2 lb/10000 ft
1125752	ÖLFLEX® CLASSIC 110 SY 2X0,5	2	No	0.5 mm ²	0.307 in	67.2 lb/10000 ft
1125802	ÖLFLEX® CLASSIC 110 SY 2X0,75	2	No	0.75 mm ²	0.323 in	96.76 lb/10000 ft
1125852	ÖLFLEX® CLASSIC 110 SY 2X1	2	No	1 mm ²	0.335 in	129 lb/10000 ft
1125902	ÖLFLEX® CLASSIC 110 SY 2X1,5	2	No	1.5 mm ²	0.366 in	194.87 lb/10000 ft

V1.1