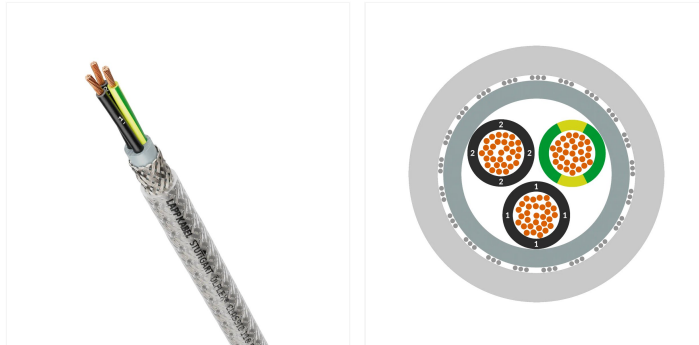


## ÖLFLEX® CLASSIC 110 CY 41G1

**Article No.:** 1135241

Power and control cable; 41G1;  $U_0/U$ : 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 shielding braiding with a high degree of coverage.
- Certified quality and tested properties thanks to VDE registration.
- 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.
- Suitable for medium mechanical stress.
- Can be used in dry and damp rooms.
- The PVC outer jacket is resistant to acids and alkaline solutions 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 additional 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 additional charges and VAT. Sales only to business customers.

**Remarks**

Technical Data

**General information**

Brand	ÖLFLEX®
Product type	Power and control cable
Copper index	3883.6 lb/10000 ft
Industry segment	<ul style="list-style-type: none"> <li>Agricultural &amp; Farm Machinery</li> <li>Assembly Machines</li> <li>Automotive</li> <li>Construction Machinery</li> <li>Energy</li> <li>Food &amp; Beverage</li> <li>Healthcare &amp; Pharma</li> <li>Heating, Ventilation, Air Conditioning &amp; Refrigeration</li> <li>Intralogistics &amp; Material handling</li> <li>Lifts &amp; Elevators</li> <li>Machine Tools</li> <li>Packaging</li> <li>Process Industry</li> <li>Robotics</li> <li>Rolling Stock</li> <li>Ships &amp; boats</li> <li>Solar</li> </ul>

**Electrical parameters**

Nominal voltage	$U_0/U$ : 300/500 V AC rms according to IEC
Test voltage conductor/conductor	4 kV
Test voltage conductor/shielding	4 kV

**Product design**

Cable dimension	41G1
Nominal cross section conductor (mm <sup>2</sup> )	1 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes
Number of cores	41
Stranding type	Layered Stranding
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
With armoring	No
Nominal outer diameter	0.866 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
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

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**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	5.197 in
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally moved	17.323 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 CY**

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
1135003	ÖLFLEX® CLASSIC 110 CY 3G0,5	3	Yes	0.5 mm <sup>2</sup>	0.287 in	305.7 lb/10000 ft
1135004	ÖLFLEX® CLASSIC 110 CY 4G0,5	4	Yes	0.5 mm <sup>2</sup>	0.311 in	369.54 lb/10000 ft
1135005	ÖLFLEX® CLASSIC 110 CY 5G0,5	5	Yes	0.5 mm <sup>2</sup>	0.331 in	443.5 lb/10000 ft
1135007	ÖLFLEX® CLASSIC 110 CY 7G0,5	7	Yes	0.5 mm <sup>2</sup>	0.35 in	540.9 lb/10000 ft
1135012	ÖLFLEX® CLASSIC 110 CY 12G0,5	12	Yes	0.5 mm <sup>2</sup>	0.445 in	930.6 lb/10000 ft
1135018	ÖLFLEX® CLASSIC 110 CY 18G0,5	18	Yes	0.5 mm <sup>2</sup>	0.524 in	1050.85 lb/10000 ft
1135025	ÖLFLEX® CLASSIC 110 CY 25G0,5	25	Yes	0.5 mm <sup>2</sup>	0.598 in	1679.75 lb/10000 ft
1135030	ÖLFLEX® CLASSIC 110 CY 30G0,5	30	Yes	0.5 mm <sup>2</sup>	0.634 in	1995.75 lb/10000 ft
1135103	ÖLFLEX® CLASSIC 110 CY 3G0,75	3	Yes	0.75 mm <sup>2</sup>	0.311 in	389 lb/10000 ft
1135104	ÖLFLEX® CLASSIC 110 CY 4G0,75	4	Yes	0.75 mm <sup>2</sup>	0.331 in	430 lb/10000 ft
1135105	ÖLFLEX® CLASSIC 110 CY 5G0,75	5	Yes	0.75 mm <sup>2</sup>	0.35 in	520.05 lb/10000 ft
1135107	ÖLFLEX® CLASSIC 110 CY 7G0,75	7	Yes	0.75 mm <sup>2</sup>	0.382 in	685.34 lb/10000 ft
1135112	ÖLFLEX® CLASSIC 110 CY 12G0,75	12	Yes	0.75 mm <sup>2</sup>	0.484 in	1189.38 lb/10000 ft
1135118	ÖLFLEX® CLASSIC 110 CY 18G0,75	18	Yes	0.75 mm <sup>2</sup>	0.571 in	1632.88 lb/10000 ft
1135125	ÖLFLEX® CLASSIC 110 CY 25G0,75	25	Yes	0.75 mm <sup>2</sup>	0.654 in	2064.74 lb/10000 ft
1135134	ÖLFLEX® CLASSIC 110 CY 34G0,75	34	Yes	0.75 mm <sup>2</sup>	0.744 in	2171.6 lb/10000 ft
1135141	ÖLFLEX® CLASSIC 110 CY 41G0,75	41	Yes	0.75 mm <sup>2</sup>	0.811 in	3279.21 lb/10000 ft
1135203	ÖLFLEX® CLASSIC 110 CY 3G1	3	Yes	1 mm <sup>2</sup>	0.323 in	438.8 lb/10000 ft
1135204	ÖLFLEX® CLASSIC 110 CY 4G1	4	Yes	1 mm <sup>2</sup>	0.343 in	524.8 lb/10000 ft
1135205	ÖLFLEX® CLASSIC 110 CY 5G1	5	Yes	1 mm <sup>2</sup>	0.374 in	600.7 lb/10000 ft
1135207	ÖLFLEX® CLASSIC 110 CY 7G1	7	Yes	1 mm <sup>2</sup>	0.402 in	761.26 lb/10000 ft
1135212	ÖLFLEX® CLASSIC 110 CY 12G1	12	Yes	1 mm <sup>2</sup>	0.524 in	1263.8 lb/10000 ft
1135218	ÖLFLEX® CLASSIC 110 CY 18G1	18	Yes	1 mm <sup>2</sup>	0.61 in	1921.6 lb/10000 ft
1135225	ÖLFLEX® CLASSIC 110 CY 25G1	25	Yes	1 mm <sup>2</sup>	0.689 in	2610.33 lb/10000 ft
1135234	ÖLFLEX® CLASSIC 110 CY 34G1	34	Yes	1 mm <sup>2</sup>	0.799 in	3393.44 lb/10000 ft
1135241	ÖLFLEX® CLASSIC 110 CY 41G1	41	Yes	1 mm <sup>2</sup>	0.866 in	3883.6 lb/10000 ft
1135250	ÖLFLEX® CLASSIC 110 CY 50G1	50	Yes	1 mm <sup>2</sup>	0.937 in	4622.7 lb/10000 ft
1135303	ÖLFLEX® CLASSIC 110 CY 3G1,5	3	Yes	1.5 mm <sup>2</sup>	0.35 in	557.7 lb/10000 ft
1135304	ÖLFLEX® CLASSIC 110 CY 4G1,5	4	Yes	1.5 mm <sup>2</sup>	0.378 in	671.9 lb/10000 ft
1135305	ÖLFLEX® CLASSIC 110 CY 5G1,5	5	Yes	1.5 mm <sup>2</sup>	0.406 in	839.9 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
1135307	ÖLFLEX® CLASSIC 110 CY 7G1,5	7	Yes	1.5 mm <sup>2</sup>	0.445 in	1001.13 lb/10000 ft
1135312	ÖLFLEX® CLASSIC 110 CY 12G1,5	12	Yes	1.5 mm <sup>2</sup>	0.583 in	1881.3 lb/10000 ft
1135318	ÖLFLEX® CLASSIC 110 CY 18G1,5	18	Yes	1.5 mm <sup>2</sup>	0.677 in	2613.7 lb/10000 ft
1135325	ÖLFLEX® CLASSIC 110 CY 25G1,5	25	Yes	1.5 mm <sup>2</sup>	0.791 in	3594.7 lb/10000 ft
1135334	ÖLFLEX® CLASSIC 110 CY 34G1,5	34	Yes	1.5 mm <sup>2</sup>	0.898 in	4717.22 lb/10000 ft
1135341	ÖLFLEX® CLASSIC 110 CY 41G1,5	41	Yes	1.5 mm <sup>2</sup>	0.972 in	5675.45 lb/10000 ft
1135402	ÖLFLEX® CLASSIC 110 CY 2X2,5	2	No	2.5 mm <sup>2</sup>	0.39 in	752.5 lb/10000 ft
1135403	ÖLFLEX® CLASSIC 110 CY 3G2,5	3	Yes	2.5 mm <sup>2</sup>	0.406 in	981 lb/10000 ft
1135404	ÖLFLEX® CLASSIC 110 CY 4G2,5	4	Yes	2.5 mm <sup>2</sup>	0.445 in	1122.07 lb/10000 ft
1135405	ÖLFLEX® CLASSIC 110 CY 5G2,5	5	Yes	2.5 mm <sup>2</sup>	0.496 in	1343.8 lb/10000 ft
1135407	ÖLFLEX® CLASSIC 110 CY 7G2,5	7	Yes	2.5 mm <sup>2</sup>	0.547 in	1935.1 lb/10000 ft
1135412	ÖLFLEX® CLASSIC 110 CY 12G2,5	12	Yes	2.5 mm <sup>2</sup>	0.693 in	3207.31 lb/10000 ft
1135502	ÖLFLEX® CLASSIC 110 CY 2X4	2	No	4 mm <sup>2</sup>	0.449 in	806.36 lb/10000 ft
1135504	ÖLFLEX® CLASSIC 110 CY 4G4	4	Yes	4 mm <sup>2</sup>	0.528 in	1592.4 lb/10000 ft
1135505	ÖLFLEX® CLASSIC 110 CY 5G4	5	Yes	4 mm <sup>2</sup>	0.579 in	1881.3 lb/10000 ft
1135604	ÖLFLEX® CLASSIC 110 CY 4G6	4	Yes	6 mm <sup>2</sup>	0.622 in	2136.6 lb/10000 ft
1135605	ÖLFLEX® CLASSIC 110 CY 5G6	5	Yes	6 mm <sup>2</sup>	0.681 in	2963.38 lb/10000 ft
1135607	ÖLFLEX® CLASSIC 110 CY 7G6	7	Yes	6 mm <sup>2</sup>	0.74 in	3561.1 lb/10000 ft
1135614	ÖLFLEX® CLASSIC 110 CY 4G10	4	Yes	10 mm <sup>2</sup>	0.748 in	3480.4 lb/10000 ft
1135615	ÖLFLEX® CLASSIC 110 CY 3G10	3	Yes	10 mm <sup>2</sup>	0.685 in	2435.21 lb/10000 ft
1135616	ÖLFLEX® CLASSIC 110 CY 5G10	5	Yes	10 mm <sup>2</sup>	0.839 in	3998.21 lb/10000 ft
1135617	ÖLFLEX® CLASSIC 110 CY 7G10	7	Yes	10 mm <sup>2</sup>	0.913 in	5348.87 lb/10000 ft
1135623	ÖLFLEX® CLASSIC 110 CY 5G16	5	Yes	16 mm <sup>2</sup>	0.961 in	6282.8 lb/10000 ft
1135624	ÖLFLEX® CLASSIC 110 CY 4G16	4	Yes	16 mm <sup>2</sup>	0.874 in	5402.1 lb/10000 ft
1135625	ÖLFLEX® CLASSIC 110 CY 4G35	4	Yes	35 mm <sup>2</sup>	1.189 in	10367.4 lb/10000 ft
1135626	ÖLFLEX® CLASSIC 110 CY 4G25	4	Yes	25 mm <sup>2</sup>	1.059 in	7800.8 lb/10000 ft
1135627	ÖLFLEX® CLASSIC 110 CY 5G25	5	Yes	25 mm <sup>2</sup>	1.181 in	9407.56 lb/10000 ft
1135628	ÖLFLEX® CLASSIC 110 CY 5G35	5	Yes	35 mm <sup>2</sup>	1.307 in	12774.13 lb/10000 ft
1135702	ÖLFLEX® CLASSIC 110 CY 2X10	2	No	10 mm <sup>2</sup>	0.646 in	1720.24 lb/10000 ft
1135752	ÖLFLEX® CLASSIC 110 CY 2X0,5	2	No	0.5 mm <sup>2</sup>	0.276 in	275.5 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
1135753	ÖLFLEX® CLASSIC 110 CY 3X0,5	3	No	0.5 mm <sup>2</sup>	0.287 in	305.7 lb/10000 ft
1135754	ÖLFLEX® CLASSIC 110 CY 4X0,5	4	No	0.5 mm <sup>2</sup>	0.311 in	369.5 lb/10000 ft
1135755	ÖLFLEX® CLASSIC 110 CY 5X0,5	5	No	0.5 mm <sup>2</sup>	0.331 in	443.5 lb/10000 ft
1135757	ÖLFLEX® CLASSIC 110 CY 7X0,5	7	No	0.5 mm <sup>2</sup>	0.35 in	540.93 lb/10000 ft
1135762	ÖLFLEX® CLASSIC 110 CY 12X0,5	12	No	0.5 mm <sup>2</sup>	0.445 in	930.6 lb/10000 ft
1135802	ÖLFLEX® CLASSIC 110 CY 2X0,75	2	No	0.75 mm <sup>2</sup>	0.291 in	309.1 lb/10000 ft
1135803	ÖLFLEX® CLASSIC 110 CY 3X0,75	3	No	0.75 mm <sup>2</sup>	0.311 in	389 lb/10000 ft
1135804	ÖLFLEX® CLASSIC 110 CY 4X0,75	4	No	0.75 mm <sup>2</sup>	0.331 in	430 lb/10000 ft
1135805	ÖLFLEX® CLASSIC 110 CY 5X0,75	5	No	0.75 mm <sup>2</sup>	0.35 in	520.1 lb/10000 ft
1135807	ÖLFLEX® CLASSIC 110 CY 7X0,75	7	No	0.75 mm <sup>2</sup>	0.382 in	685.41 lb/10000 ft
1135812	ÖLFLEX® CLASSIC 110 CY 12X0,75	12	No	0.75 mm <sup>2</sup>	0.484 in	1189.3 lb/10000 ft
1135818	ÖLFLEX® CLASSIC 110 CY 18X0,75	18	No	0.75 mm <sup>2</sup>	0.571 in	1632.7 lb/10000 ft
1135840	ÖLFLEX® CLASSIC 110 CY 40X0,75	40	No	0.75 mm <sup>2</sup>	0.807 in	2482.25 lb/10000 ft
1135852	ÖLFLEX® CLASSIC 110 CY 2X1	2	No	1 mm <sup>2</sup>	0.311 in	376.3 lb/10000 ft
1135853	ÖLFLEX® CLASSIC 110 CY 3X1	3	No	1 mm <sup>2</sup>	0.323 in	438.8 lb/10000 ft
1135854	ÖLFLEX® CLASSIC 110 CY 4X1	4	No	1 mm <sup>2</sup>	0.343 in	524.8 lb/10000 ft
1135902	ÖLFLEX® CLASSIC 110 CY 2X1,5	2	No	1.5 mm <sup>2</sup>	0.335 in	436.7 lb/10000 ft
1135903	ÖLFLEX® CLASSIC 110 CY 3X1,5	3	No	1.5 mm <sup>2</sup>	0.35 in	557.73 lb/10000 ft
1135904	ÖLFLEX® CLASSIC 110 CY 4X1,5	4	No	1.5 mm <sup>2</sup>	0.378 in	671.9 lb/10000 ft
1135905	ÖLFLEX® CLASSIC 110 CY 5X1,5	5	No	1.5 mm <sup>2</sup>	0.406 in	839.96 lb/10000 ft
1135907	ÖLFLEX® CLASSIC 110 CY 7X1,5	7	No	1.5 mm <sup>2</sup>	0.445 in	1001.1 lb/10000 ft

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