

## ÖLFLEX® CLASSIC 115 CY 7X0,5

**Article No.:** 1136757

Power and control cable; 7X0.5;  $U_0/U$ : 300/500 V; PVC; Core identification: Numbers; Shielded; Flexible





### Details

#### Benefits

- Space-saving due to reduced wall thicknesses.
- Ideal protection against electromagnetic interference thanks to copper shielding braiding with a high degree of coverage.
- Tested resistance to ECOLAB® disinfectants and cleaning agents.
- 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.
- Cable design also suitable for torsion applications in wind turbines.

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- For fixed installation and occasional flexing without tensile strain.
  - Can be used in dry and damp rooms.
  - Suitable for medium mechanical stress.
  - The PVC outer jacket is resistant to acids and alkaline solutions 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 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	463.6 lb/10000 ft
Industry segment	Agricultural & Farm Machinery Assembly Machines Automotive Construction Machinery Energy Food & Beverage Healthcare & Pharma Heating, Ventilation, Air Conditioning & Refrigeration Intralogistics & Material handling Lifts & Elevators Machine Tools Packaging Process Industry Robotics Ships & boats Solar

#### 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	2 kV

#### Product design

Cable dimension	7X0.5
Nominal cross section conductor (mm <sup>2</sup> )	0.5 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	No
Number of cores	7
Stranding type	Layered Stranding
Wrapping above stranding	Plastic film
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
With armoring	No
Nominal outer diameter	0.295 in

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

### Product features

Application area	Flexible Fixed Installation Torsion
For permanent bending	No
For torsional load	No
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	1.772 in
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally moved	5.906 in
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 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

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Oil resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

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**Certifications and standards**

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭС N RU Д-DE.АЮ64.В.00130/20
VDE certified	No
DNV-certified	No
CPR fire class	Eca
Resistance to flame propagation tested according to UN/ECE-R118	No
Ecolab certified	Yes

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**ÖLFLEX® CLASSIC 115 CY**

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
1136003	ÖLFLEX® CLASSIC 115 CY 3G0,5	3	Yes	0.5 mm <sup>2</sup>	0.24 in	288.9 lb/10000 ft
1136004	ÖLFLEX® CLASSIC 115 CY 4G0,5	4	Yes	0.5 mm <sup>2</sup>	0.256 in	329.2 lb/10000 ft
1136005	ÖLFLEX® CLASSIC 115 CY 5G0,5	5	Yes	0.5 mm <sup>2</sup>	0.276 in	383 lb/10000 ft
1136007	ÖLFLEX® CLASSIC 115 CY 7G0,5	7	Yes	0.5 mm <sup>2</sup>	0.295 in	463.6 lb/10000 ft
1136012	ÖLFLEX® CLASSIC 115 CY 12G0,5	12	Yes	0.5 mm <sup>2</sup>	0.39 in	698.8 lb/10000 ft
1136018	ÖLFLEX® CLASSIC 115 CY 18G0,5	18	Yes	0.5 mm <sup>2</sup>	0.453 in	947.48 lb/10000 ft
1136025	ÖLFLEX® CLASSIC 115 CY 25G0,5	25	Yes	0.5 mm <sup>2</sup>	0.528 in	1417.85 lb/10000 ft
1136103	ÖLFLEX® CLASSIC 115 CY 3G0,75	3	Yes	0.75 mm <sup>2</sup>	0.256 in	349.4 lb/10000 ft
1136104	ÖLFLEX® CLASSIC 115 CY 4G0,75	4	Yes	0.75 mm <sup>2</sup>	0.276 in	409.9 lb/10000 ft
1136105	ÖLFLEX® CLASSIC 115 CY 5G0,75	5	Yes	0.75 mm <sup>2</sup>	0.303 in	483.82 lb/10000 ft
1136107	ÖLFLEX® CLASSIC 115 CY 7G0,75	7	Yes	0.75 mm <sup>2</sup>	0.327 in	598 lb/10000 ft
1136112	ÖLFLEX® CLASSIC 115 CY 12G0,75	12	Yes	0.75 mm <sup>2</sup>	0.429 in	927.32 lb/10000 ft
1136118	ÖLFLEX® CLASSIC 115 CY 18G0,75	18	Yes	0.75 mm <sup>2</sup>	0.5 in	1417.85 lb/10000 ft
1136125	ÖLFLEX® CLASSIC 115 CY 25G0,75	25	Yes	0.75 mm <sup>2</sup>	0.583 in	1881.51 lb/10000 ft
1136203	ÖLFLEX® CLASSIC 115 CY 3G1	3	Yes	1 mm <sup>2</sup>	0.268 in	416.6 lb/10000 ft
1136204	ÖLFLEX® CLASSIC 115 CY 4G1	4	Yes	1 mm <sup>2</sup>	0.287 in	497.2 lb/10000 ft
1136205	ÖLFLEX® CLASSIC 115 CY 5G1	5	Yes	1 mm <sup>2</sup>	0.319 in	591.33 lb/10000 ft
1136207	ÖLFLEX® CLASSIC 115 CY 7G1	7	Yes	1 mm <sup>2</sup>	0.346 in	752.5 lb/10000 ft
1136212	ÖLFLEX® CLASSIC 115 CY 12G1	12	Yes	1 mm <sup>2</sup>	0.453 in	1243 lb/10000 ft
1136218	ÖLFLEX® CLASSIC 115 CY 18G1	18	Yes	1 mm <sup>2</sup>	0.547 in	1800.88 lb/10000 ft
1136225	ÖLFLEX® CLASSIC 115 CY 25G1	25	Yes	1 mm <sup>2</sup>	0.626 in	2378.77 lb/10000 ft
1136303	ÖLFLEX® CLASSIC 115 CY 3G1,5	3	Yes	1.5 mm <sup>2</sup>	0.295 in	551 lb/10000 ft
1136304	ÖLFLEX® CLASSIC 115 CY 4G1,5	4	Yes	1.5 mm <sup>2</sup>	0.323 in	671.9 lb/10000 ft
1136305	ÖLFLEX® CLASSIC 115 CY 5G1,5	5	Yes	1.5 mm <sup>2</sup>	0.35 in	799.64 lb/10000 ft
1136307	ÖLFLEX® CLASSIC 115 CY 7G1,5	7	Yes	1.5 mm <sup>2</sup>	0.39 in	1034.83 lb/10000 ft
1136312	ÖLFLEX® CLASSIC 115 CY 12G1,5	12	Yes	1.5 mm <sup>2</sup>	0.512 in	1800.88 lb/10000 ft
1136318	ÖLFLEX® CLASSIC 115 CY 18G1,5	18	Yes	1.5 mm <sup>2</sup>	0.614 in	2506.2 lb/10000 ft
1136325	ÖLFLEX® CLASSIC 115 CY 25G1,5	25	Yes	1.5 mm <sup>2</sup>	0.705 in	3561.43 lb/10000 ft
1136334	ÖLFLEX® CLASSIC 115 CY 34G1,5	34	Yes	1.5 mm <sup>2</sup>	0.819 in	4589.55 lb/10000 ft
1136403	ÖLFLEX® CLASSIC 115 CY 3G2,5	3	Yes	2.5 mm <sup>2</sup>	0.35 in	792.84 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
1136404	ÖLFLEX® CLASSIC 115 CY 4G2,5	4	Yes	2.5 mm <sup>2</sup>	0.39 in	987.7 lb/10000 ft
1136405	ÖLFLEX® CLASSIC 115 CY 5G2,5	5	Yes	2.5 mm <sup>2</sup>	0.433 in	1182.67 lb/10000 ft
1136407	ÖLFLEX® CLASSIC 115 CY 7G2,5	7	Yes	2.5 mm <sup>2</sup>	0.469 in	1700.08 lb/10000 ft
1136412	ÖLFLEX® CLASSIC 115 CY 12G2,5	12	Yes	2.5 mm <sup>2</sup>	0.63 in	2385.2 lb/10000 ft
1136418	ÖLFLEX® CLASSIC 115 CY 18G2,5	18	Yes	2.5 mm <sup>2</sup>	0.748 in	3823.5 lb/10000 ft
1136425	ÖLFLEX® CLASSIC 115 CY 25G2,5	25	Yes	2.5 mm <sup>2</sup>	0.874 in	5557.21 lb/10000 ft
1136504	ÖLFLEX® CLASSIC 115 CY 4G4	4	Yes	4 mm <sup>2</sup>	0.457 in	1666.48 lb/10000 ft
1136507	ÖLFLEX® CLASSIC 115 CY 7G4	7	Yes	4 mm <sup>2</sup>	0.567 in	2385.49 lb/10000 ft
1136604	ÖLFLEX® CLASSIC 115 CY 4G6	4	Yes	6 mm <sup>2</sup>	0.559 in	2304.85 lb/10000 ft
1136614	ÖLFLEX® CLASSIC 115 CY 4G10	4	Yes	10 mm <sup>2</sup>	0.677 in	3326.25 lb/10000 ft
1136624	ÖLFLEX® CLASSIC 115 CY 4G16	4	Yes	16 mm <sup>2</sup>	0.795 in	5375.75 lb/10000 ft
1136625	ÖLFLEX® CLASSIC 115 CY 5G16	5	Yes	16 mm <sup>2</sup>	0.89 in	6014.15 lb/10000 ft
1136634	ÖLFLEX® CLASSIC 115 CY 4G25	4	Yes	25 mm <sup>2</sup>	0.988 in	7223.66 lb/10000 ft
1136638	ÖLFLEX® CLASSIC 115 CY 4G35	4	Yes	35 mm <sup>2</sup>	1.102 in	10590.23 lb/10000 ft
1136752	ÖLFLEX® CLASSIC 115 CY 2X0,5	2	No	0.5 mm <sup>2</sup>	0.228 in	241.9 lb/10000 ft
1136753	ÖLFLEX® CLASSIC 115 CY 3X0,5	3	No	0.5 mm <sup>2</sup>	0.24 in	288.9 lb/10000 ft
1136754	ÖLFLEX® CLASSIC 115 CY 4X0,5	4	No	0.5 mm <sup>2</sup>	0.256 in	329.2 lb/10000 ft
1136755	ÖLFLEX® CLASSIC 115 CY 5X0,5	5	No	0.5 mm <sup>2</sup>	0.276 in	383.02 lb/10000 ft
1136757	ÖLFLEX® CLASSIC 115 CY 7X0,5	7	No	0.5 mm <sup>2</sup>	0.295 in	463.6 lb/10000 ft
1136762	ÖLFLEX® CLASSIC 115 CY 12X0,5	12	No	0.5 mm <sup>2</sup>	0.39 in	698.85 lb/10000 ft
1136768	ÖLFLEX® CLASSIC 115 CY 18X0,5	18	No	0.5 mm <sup>2</sup>	0.453 in	947.48 lb/10000 ft
1136775	ÖLFLEX® CLASSIC 115 CY 25X0,5	25	No	0.5 mm <sup>2</sup>	0.528 in	1417.85 lb/10000 ft
1136802	ÖLFLEX® CLASSIC 115 CY 2X0,75	2	No	0.75 mm <sup>2</sup>	0.244 in	288.9 lb/10000 ft
1136803	ÖLFLEX® CLASSIC 115 CY 3X0,75	3	No	0.75 mm <sup>2</sup>	0.256 in	349.4 lb/10000 ft
1136804	ÖLFLEX® CLASSIC 115 CY 4X0,75	4	No	0.75 mm <sup>2</sup>	0.276 in	409.9 lb/10000 ft
1136805	ÖLFLEX® CLASSIC 115 CY 5X0,75	5	No	0.75 mm <sup>2</sup>	0.303 in	483.82 lb/10000 ft
1136807	ÖLFLEX® CLASSIC 115 CY 7X0,75	7	No	0.75 mm <sup>2</sup>	0.327 in	598.05 lb/10000 ft
1136825	ÖLFLEX® CLASSIC 115 CY 25X0,75	25	No	0.75 mm <sup>2</sup>	0.583 in	1881.51 lb/10000 ft
1136852	ÖLFLEX® CLASSIC 115 CY 2X1	2	No	1 mm <sup>2</sup>	0.256 in	342.7 lb/10000 ft
1136853	ÖLFLEX® CLASSIC 115 CY 3X1	3	No	1 mm <sup>2</sup>	0.268 in	416.62 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
1136854	ÖLFLEX® CLASSIC 115 CY 4X1	4	No	1 mm <sup>2</sup>	0.287 in	497.26 lb/10000 ft
1136855	ÖLFLEX® CLASSIC 115 CY 5X1	5	No	1 mm <sup>2</sup>	0.319 in	591.33 lb/10000 ft
1136857	ÖLFLEX® CLASSIC 115 CY 7X1	7	No	1 mm <sup>2</sup>	0.346 in	752.61 lb/10000 ft
1136902	ÖLFLEX® CLASSIC 115 CY 2X1,5	2	No	1.5 mm <sup>2</sup>	0.28 in	436.73 lb/10000 ft
1136903	ÖLFLEX® CLASSIC 115 CY 3X1,5	3	No	1.5 mm <sup>2</sup>	0.295 in	551.01 lb/10000 ft
1136904	ÖLFLEX® CLASSIC 115 CY 4X1,5	4	No	1.5 mm <sup>2</sup>	0.323 in	671.9 lb/10000 ft
1136905	ÖLFLEX® CLASSIC 115 CY 5X1,5	5	No	1.5 mm <sup>2</sup>	0.35 in	799.64 lb/10000 ft
1136907	ÖLFLEX® CLASSIC 115 CY 7X1,5	7	No	1.5 mm <sup>2</sup>	0.39 in	1034.83 lb/10000 ft

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