

ÖLFLEX® CLASSIC 100 CY 450/750V

Colour-coded and screened PVC power and control cable

ÖLFLEX® CLASSIC 100 CY 450/750V - flexible PVC cable, colour coded and screened, power and control cable for various applications

Info

CPR: Article number choice under www.lappkabel.com/cpr

EMC-compliant

For nominal voltage U0/U: 300/500V and conductor cross-sections below 1,5mm² see ÖLFLEX® CLASSIC 100 CY 300/500V



Good chemical resistance



Interference signals

Benefits

High electrical performance due to 4 kV test voltage

Shielding against electromagnetic fields

Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Conveyor and transport systems

Servo drives

In EMC-sensitive environments

(electromagnetic compatibility)

Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Last Update (20.06.2026)

©2026 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® CLASSIC 100 CY 450/750V

High degree of screening
low transfer impedance
(max. 250 Ω /km at 30 MHz)

Norm references / Approvals

Based on EN 50525-2-51

Based on EN 50525-2-11 and EN 50525-2-31

Product Make-up

Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
Cores twisted in layers
PVC inner sheath, grey
Tinned-copper braiding
PVC outer sheath, transparent

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U0/U: 450/750 VAC In protected and fixed installations: U0/U: 600/1000 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil $\leq$ 30 kg or $\leq$ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Single lengths for sizes: $\geq$ 4G50 max. 500 m; $\geq$ 4G95 max. 400 m; $\geq$ 4G120 max. 300 m; $\geq$ 4G150 max. 250 m

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

ÖLFLEX® CLASSIC 100 CY 450/750V

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 100 CY 450/750 V				
0035000	2 X 1.5	9.9	65	132
0035458	3 G 1.5	10.3	79	170
00354593	4 G 1.5	11.3	97	204
00354603	5 G 1.5	12.6	116	246
0035461	7 G 1.5	13.9	149	320
0035011	3 G 2.5	11.8	146	211
00350173	4 G 2.5	13.5	167	310
00350123	5 G 2.5	14.6	200	326
0035289	7 G 2.5	15.9	288	444
00350183	4 G 4.0	15.1	237	403
00350133	5 G 4.0	16.5	328	478
00350193	4 G 6.0	16.6	318	521
00350143	5 G 6.0	18.2	441	624
0034953	3 G 10.0	18.9	414	690
00350213	4 G 10.0	21.1	558	843
00352903	5 G 10.0	23.1	714	1004
0034954	3 G 16.0	21.7	607	910
00350223	4 G 16.0	23.9	804	1164
00350153	5 G 16.0	26.8	1050	1812
0034955	3 G 25.0	26.6	936	1330
00350233	4 G 25.0	29.4	1289	1903
00350243	5 G 25.0	32.6	1446	2374
0034956	3 G 35.0	29.4	1258	1370
00350253	4 G 35.0	32.4	1693	2489
00350263	5 G 35.0	36.0	1975	2771
0034952	3 G 50.0	35.1	1748	2590
00350273	4 G 50.0	38.8	2342	3362
00350283	4 G 70.0	43.7	3035	3719
00350293	4 G 95.0	50.4	4055	5849
00354303	4 G 120.0	56.8	5225	7509
00354313	4 G 150.0	62.2	6300	7800
00354323	4 G 185.0	67.8	7753	9866

Last Update (20.06.2026)

©2026 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16