



ÖLFLEX® CLASSIC 100 CY 300/500V

Colour-coded and screened PVC control cable



i Info

- CPR: Article number choice under www.lappkabel.com/cpr
- EMC-compliant
- For nominal voltage U0/U: 450/750V or higher conductor cross-sections see ÖLFLEX® CLASSIC 100 CY 450/750V

Benefits

- Space-saving installation due to small cable diameters
- 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
- High degree of screening low transfer impedance (max. 250 Ω/km at 30 MHz)

Norm references / Approvals

- Based on EN 50525-2-51

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 5/6
 ETIM 5.0/6.0 Class-ID: EC001578
 ETIM 5.0/6.0 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: 300/500 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

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 100 CY 300/500 V				
0035001	2 X 0.5	7.0	41	75
0035002	3 G 0.5	7.3	46	83
00350033	4 G 0.5	7.9	55	99
00352013	5 G 0.5	8.4	66	112
0035202	7 G 0.5	8.9	80	132
0035004	2 X 0.75	7.4	46	86
0035005	3 G 0.75	7.9	57	100
00350063	4 G 0.75	8.4	64	115
00350163	5 G 0.75	8.9	77	130
0035203	7 G 0.75	9.7	102	161
0035220	2 X 1.0	7.9	56	98
0035221	3 G 1.0	8.2	65	111
00352223	4 G 1.0	8.7	78	130

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
00352233	5 G 1.0	9.5	89	153
0035204	7 G 1.0	10.2	113	185
11356500	3 G 1.5	8.9	77	135
11356501	4 G 1.5	9.6	94	165
11356502	3 G 2.5	10.3	118	190
11356503	4 G 2.5	11.3	149	230
11356504	4 G 4.0	13.4	222	345
11356505	4 G 6.0	15.8	317	485
11356506	4 G 10.0	19.5	497	735
11356507	4 G 16.0	22.7	757	1200
11356508	4 G 25.0	27.4	1150	1730
11356509	4 G 35.0	31.0	1566	2210
11356510	4 G 50.0	37.2	2212	2950

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 ≤ 30 kg or ≤ 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: ≥ 4G50 max. 500 m; ≥ 4G95 max. 400 m; ≥ 4G120 max. 300 m; ≥ 4G150 max. 250 m
 Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® CLASSIC 100 CY 450/750V refer to page 32
- ÖLFLEX® SERVO 2YSLCY-JB refer to page 108

Accessories

- SKINTOP® BRUSH ADD-ON refer to page 694
- 3M Scotch™ 1183 screening tape refer to page 992
- SKINTOP® MS-M BRUSH refer to page 696