

ÖLFLEX® CLASSIC 100 CY



Info

- EMC compliant



Benefits

- Space saving installation due to small cable diameters
- High electrical performance due to 4kV test voltage

Application range

- Plant engineering and construction
Industrial machinery
Air conditioning installations
- Conveying and transport systems
- Servo drives
- In EMI critical environment (electromagnetic interference)

Product features

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance see Appendix T1
- High coverage degree of the screen low transfer impedance (max. 250 Ω/km at 30 MHz)

Approvals (Norm references)



Design

- Fine strands of bare copper wires
- PVC insulation LAPP P8/1
- PVC inner sheath, grey
- Tinned copper braid
- PVC outer sheath, transparent

Technical data

- Core identification code**
Up to 5 cores: according to VDE 0293-308 (appendix T9)
Starting at 6 cores: ÖLFLEX® colour code (appendix T7)
- Based on**
IEC 60227-5
HD 21.5 S3; VDE 0281 Part 5
HD 21.13 S1; VDE 0281 Part 13
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
Fine wire in accordance to VDE 0295
Class 5 / IEC 60228 Class 5
- Minimum bending radius**
Occasional flexing: 20 x cable diameter
Fixed installation: 6 x outer diameter
- Rated voltage**
Up to 1.0 mm²: U₀/U: 300/500 V
Starting at 1.5 mm²: U₀/U: 450/750 V
Fixed, protected installation:
U₀/U: 600/1000 V
- Test voltage**
4000 V
- Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
- Range of temperature**
Occasional flexing: -5°C up to +70°C
Fixed installation: -40°C up to +80°C

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® CLASSIC 100 CY; U₀/U: 300/500 V				
0035001	2 X 0.5	7.0	41.0	75
0035002	3 G 0.5	7.3	46.0	83
00350033	4 G 0.5	7.9	55.0	99
00352013	5 G 0.5	8.4	66.0	112
0035202	7 G 0.5	8.9	80.0	132
0035004	2 X 0.75	7.4	46.0	86
0035005	3 G 0.75	7.9	57.0	100
00350063	4 G 0.75	8.4	64.0	115
00350163	5 G 0.75	8.9	77.0	130
0035203	7 G 0.75	9.7	102.0	161
0035220	2 X 1	7.9	56.0	98
0035221	3 G 1	8.2	65.0	111
00352223	4 G 1	8.7	78.0	130
00352233	5 G 1	9.5	89.0	153
0035204	7 G 1	10.2	113.0	185
ÖLFLEX® CLASSIC 100 CY; U₀/U: 450/750 V				
0035000	2 X 1.5	9.9	65.0	132
0035458	3 G 1.5	10.3	79.0	170
00354593	4 G 1.5	11.3	97.0	204
00354603	5 G 1.5	12.6	116.0	246
0035461	7 G 1.5	13.9	149.0	320
0035011	3 G 2.5	11.8	146.0	211
00350173	4 G 2.5	13.5	167.0	310

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
00350123	5 G 2.5	14.6	200.0	326
0035289	7 G 2.5	15.9	288.0	444
00350183	4 G 4	15.1	237.0	403
00350133	5 G 4	16.5	328.0	478
00350193	4 G 6	16.6	318.0	521
00350143	5 G 6	18.2	441.0	624
0034953	3 G 10	18.9	414.0	690
00350213	4 G 10	21.1	558.0	843
00352903	5 G 10	23.1	714.0	1,004
0034954	3 G 16	21.7	607.0	910
00350223	4 G 16	23.9	804.0	1,164
00350153	5 G 16	26.8	1,050.0	1,812
0034955	3 G 25	26.6	936.0	1,330
00350233	4 G 25	29.4	1,289.0	1,903
00350243	5 G 25	32.6	1,446.0	2,374
0034956	3 G 35	29.4	1,258.0	1,370
00350253	4 G 35	32.4	1,693.0	2,489
00350263	5 G 35	36.0	1,975.0	2,771
0034952	3 G 50	35.1	1,748.0	2,590
00350273	4 G 50	38.8	2,342.0	3,362
00350283	4 G 70	43.7	3,035.0	3,719
00350293	4 G 95	50.4	4,055.0	5,849
00354303	4 G 120	56.8	5,225.0	7,509
00354313	4 G 150	62.2	6,300.0	7,800
00354323	4 G 185	67.8	7,753.0	9,866

Copper price basis: EUR 150 / 100 kg; For utilization and definition of ‚Metal price basis‘ and ‚Metal index‘ see Appendix T17
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum
Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
Single lengths for sizes: ≥ 4G50 max. 500m; ≥ 4G95 max. 400m; ≥ 4G120 max. 300m; ≥ 4G150 max. 250m

Comparable products

- ÖLFLEX® SERVO 9YSLCY-JB see page 92
- ÖLFLEX® SERVO 2YSLCY-JB see page 89

Accessories

- 3M Scotch 1183 screening tape see page 950
- SKINTOP® MS-M BRUSH see page 658