

## ÖLFLEX® CLASSIC 100 SY

Colour-coded PVC control cable with steel wire braiding

ÖLFLEX® CLASSIC 100 SY - flexible PVC cable, colour coded with steel wire braid, power and control cable for various applications

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

Steel wire braiding for extra mechanical protection



Mechanical resistance



Good chemical resistance

### Benefits

Extra mechanical protection due to braided steel wire

### Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Areas with high mechanical stress

### Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

### Norm references / Approvals

Based on IEC 60227-5 and EN 50525-2-51

Last Update (23.09.2017)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® CLASSIC 100 SY

### Product Make-up

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

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 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:	Up to 1.5 mm <sup>2</sup> : U0/U: 300/500 V From 2.5 mm <sup>2</sup> : U0/U: 450/750 V From 2.5 mm <sup>2</sup> , in the case of fixed and protected 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](http://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: ≥ 4G35 max. 500 m; ≥ 4G95 max. 400 m

Photographs 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.

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® CLASSIC 100 SY; U0/U: 300/500 V			
0016022	2 X 0.75	8.2	14.4
0016023	3 G 0.75	8.5	21.6
00160243	4 G 0.75	9.2	28.8
00160253	5 G 0.75	9.7	36
0016027	7 G 0.75	10.3	50
0016031	12 G 0.75	12.9	86
0016042	2 X 1	8.5	19.2
0016043	3 G 1	8.8	29
00160443	4 G 1	9.5	38.4
00160453	5 G 1	10.1	48
0016047	7 G 1	11	67
0016064	2 X 1.5	9.3	29
0016065	3 G 1.5	9.7	43
00160663	4 G 1.5	10.2	58
00160673	5 G 1.5	11.1	72
0016069	7 G 1.5	11.9	101
0016072	12 G 1.5	15.4	173
0016075	18 G 1.5	17.6	259
0016077	25 G 1.5	20.3	360
ÖLFLEX® CLASSIC 100 SY; U0/U: 450/750 V			
0016087	2 X 2.5	12.1	48
0016088	3 G 2.5	12.6	72
00160893	4 G 2.5	13.9	96
00160903	5 G 2.5	15.2	120
0016092	7 G 2.5	16.3	168
0016101	2 X 4	13.6	76.8
00161023	4 G 4	15.7	154
00161033	5 G 4	17.1	192
0016106	3 G 6	15.8	173
00161073	4 G 6	17.2	230
00161083	5 G 6	18.8	288
00161103	4 G 10	21.3	384
00161113	5 G 10	23.3	480

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
00161133	4 G 16	24.1	614
00161143	5 G 16	26.8	768
00161163	4 G 25	29.4	960
00161173	5 G 25	32.6	1200
00161183	4 G 35	32.4	1344
00161193	5 G 35	36	1680
00161203	4 G 50	38.8	1920

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