

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

Steel wire braiding for extra mechanical protection



Good chemical resistance



Mechanical 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 (24.04.2024)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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:	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:	Up to 1.5 mm ² : U0/U: 300/500 V From 2.5 mm ² : U0/U: 450/750 V From 2.5 mm ² , 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

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 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.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 100 SY; U0/U: 300/500 V				
0016022	2 X 0.75	8.2	14.4	97
0016023	3 G 0.75	8.5	21.6	108
00160243	4 G 0.75	9.2	28.8	126
00160253	5 G 0.75	9.7	36	146
0016027	7 G 0.75	10.3	50	172
0016031	12 G 0.75	12.9	86	260
0016042	2 X 1.0	8.5	19.2	137
0016043	3 G 1.0	8.8	29	154
00160443	4 G 1.0	9.5	38.4	180
00160453	5 G 1.0	10.1	48	202
0016047	7 G 1.0	11	67	242
0016064	2 X 1.5	9.3	29	172
0016065	3 G 1.5	9.7	43	191
00160663	4 G 1.5	10.2	58	217
00160673	5 G 1.5	11.1	72	268
0016069	7 G 1.5	11.9	101	311
0016072	12 G 1.5	15.4	173	499
0016075	18 G 1.5	17.6	259	652
0016077	25 G 1.5	20.3	360	913
ÖLFLEX® CLASSIC 100 SY; U0/U: 450/750 V				
0016087	2 X 2.5	12.1	48	245
0016088	3 G 2.5	12.6	72	278
00160893	4 G 2.5	13.9	96	339
00160903	5 G 2.5	15.2	120	397
0016092	7 G 2.5	16.3	168	470
0016101	2 X 4.0	13.6	76.8	329
00161023	4 G 4.0	15.7	154	457
00161033	5 G 4.0	17.1	192	545
0016106	3 G 6.0	15.8	173	544
00161073	4 G 6.0	17.2	230	687
00161083	5 G 6.0	18.8	288	798
00161103	4 G 10.0	21.3	384	1009
00161113	5 G 10.0	23.3	480	1197

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
00161133	4 G 16.0	24.1	614	1384
00161143	5 G 16.0	26.8	768	1740
00161163	4 G 25.0	29.4	960	2021
00161173	5 G 25.0	32.6	1200	2464
00161183	4 G 35.0	32.4	1344	2570
00161193	5 G 35.0	36	1680	3185
00161203	4 G 50.0	38.8	1920	3514