ÖLFLEX® CLASSIC 100 SY

Colour-coded PVC control cable with steel wire braiding

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

Info
Steel wire braiding for additional mechanical protection



Mechanical resistance

Good chemical resistance

Benefits
Additional mechanical protection thanks to steel wire braiding

Application range
Plant construction
Machine building
Heating and air-conditioning systems
Areas with increased requirements regarding mechanical stress

Product features
Flame-retardant according to IEC 60332-1-2
Good chemical resistance, see catalogue appendix T1

Norm references / approvals
Based on IEC 60227-5 and EN 50525-2-51

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Design

Finely stranded bare copper wires
PVC core insulation LAPP P8/1
Cores twisted in layers
PVC inner sheath, grey
Braid of galvanized steel wires
PVC 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: according to VDE 0293-308 (appendix T9) From 6 cores: ÖLFLEX® colour code (appendix T7)
Conductor design:	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 mm²: U_0/U: 300/500 V From 2.5 mm²: U_0/U: 450/750 V From 2.5 mm² in the case of fixed and protected installation: U_0/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 otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.
Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)
Single lengths for dimensions: ≥ 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.

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PRODUCT INFORMATION

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 100 SY; U_0/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	8.5	19.2	137
0016043	3 G 1	8.8	29	154
00160443	4 G 1	9.5	38.4	180
00160453	5 G 1	10.1	48	202
0016047	7 G 1	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; U_0/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	13.6	76.8	329
00161023	4 G 4	15.7	154	457
00161033	5 G 4	17.1	192	545
0016106	3 G 6	15.8	173	544
00161073	4 G 6	17.2	230	687
00161083	5 G 6	18.8	288	798
00161103	4 G 10	21.3	384	1009
00161113	5 G 10	23.3	480	1197

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
00161133	4 G 16	24.1	614	1384
00161143	5 G 16	26.8	768	1740
00161163	4 G 25	29.4	960	2021
00161173	5 G 25	32.6	1200	2464
00161183	4 G 35	32.4	1344	2570
00161193	5 G 35	36	1680	3185
00161203	4 G 50	38.8	1920	3514

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