Colour-coded PVC control cable with steel wire braiding
Extra mechanical protection due to braided steel wire

Good chemical resistance

Mechanical resistance

Info
Steel wire braiding for extra mechanical protection

Application range
Plant engineering Industrial machinery Heating and air-conditioning systems
Areas with high mechanical stress

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

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

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

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Technical Data

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
Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Specific insulation resistance:	> 20 GOhm x cm
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 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 installations: 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

Part 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	36.0	146
0016027	7 G 0,75	10,3	50.0	172
0016031	12 G 0,75	12,9	86.0	260
0016042	2 X 1,0	8,5	19.2	137
0016043	3 G 1,0	8,8	29.0	154
00160443	4 G 1,0	9,5	38.4	180
00160453	5 G 1,0	10,1	48.0	202
0016047	7 G 1,0	11.0	67.0	242
0016057	25 G 1,0	18,1	240.0	653
0016064	2 X 1,5	9,3	29.0	172
0016065	3 G 1,5	9,7	43.0	191
00160663	4 G 1,5	10,2	58.0	217
00160673	5 G 1,5	11,1	72.0	268
0016069	7 G 1,5	11,9	101.0	311
0016072	12 G 1,5	15,4	173.0	499
0016075	18 G 1,5	17,6	259.0	652
0016077	25 G 1,5	20,3	360.0	913
0016078	32 G 1,5	22,1	461.0	1065
ÖLFLEX® CLASSIC 100 SY; U_0/U: 450/750 V				
0016087	2 X 2,5	12,1	48.0	245
0016088	3 G 2,5	12,6	72.0	278
00160893	4 G 2,5	13,9	96.0	339
00160903	5 G 2,5	15,2	120.0	397
0016092	7 G 2,5	16,3	168.0	470
0016101	2 X 4	13,6	76.8	329
00161023	4 G 4	15,7	154.0	457

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
00161033	5 G 4	17,1	192.0	545
0016106	3 G 6	15,8	173.0	544
00161073	4 G 6	17,2	230.0	687
00161083	5 G 6	18,8	288.0	798
00161103	4 G 10	21,3	384.0	1009
00161113	5 G 10	23,3	480.0	1197
00161133	4 G 16	24,1	614.0	1384
00161143	5 G 16	26,8	768.0	1740
00161163	4 G 25	29,4	960.0	2021
00161173	5 G 25	32,6	1200.0	2464
00161183	4 G 35	32,4	1344.0	2570
00161193	5 G 35	36.0	1680.0	3185
00161203	4 G 50	38,8	1920.0	3514