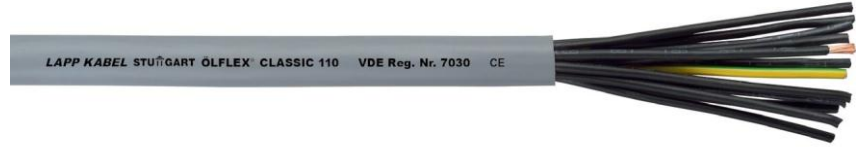


ÖLFLEX® CLASSIC 110

VDE-registered oil-resistant PVC control cable for a wide range of applications

Info

- VDE certificate of conformity with factory surveillance
- More than 140 items with up to 100 conductors



Benefits

- Wide choice of standardized lengths and individual cuts
- Very broad range, items with up to 100 conductors

Application range

- For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- Dry or damp rooms that are subject to medium mechanical loads
- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
- In power chains for a travelling distance up to 5 m and 0,2 ... 1 million bending cycles, for following dimensions: 0,5 to 2.5mm² and 2 to 7 conductors

Product features

- Flame-retardant according IEC 60332-1-2
- Good chemical resistance, see catalogue appendix T1
- Oil-resistant according to DIN EN 50290-2-22 (TM54)

Norm references / Approvals

- VDE reg. no. 7030 for the following sizes: up to 2.5 mm²: 2 - 65 cores
- from 4 mm²: 2 - 7 cores

Product make-up

- Fine-wire strand made of bare copper wires
- PVC insulation LAPP8/1
- Cores twisted in layers
- PVC outer sheath, grey (RAL7001)

Technical data

- Classification**
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable
- Core identification code**
Black with white numbers acc. to VDE 0293-1
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5
- Torsion movement in WTG**
TW-0 & TW-1, refer to Appendix T0
- Minimum bending radius**
Occasional flexing: 10 x outer diameter
In power chains: 15 x outer diameter
Fixed installation: 4 x outer diameter
- Nominal voltage**
U₀/U: 300/500 V
- Test voltage**
4000 V
- Protective conductor**
G = with GN-YE protective conductor
X = without protective conductor
- Temperature range**
Occasional flexing: -15 °C to +70 °C
In power chains: -5 °C to +70 °C
Fixed installation: -40 °C to +80 °C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 110				
1119752	2 X 0.5	4,8	9,6	35
1119003	3 G 0.5	5,1	14,4	42
1119753	3 X 0.5	5,1	14,4	42
1119004	4 G 0.5	5,7	19,2	54
1119754	4 X 0.5	5,7	19,2	54
1119005	5 G 0.5	6,2	24	63
1119755	5 X 0.5	6,2	24	63
1119007	7 G 0.5	6,7	33,6	81
1119757	7 X 0.5	6,7	33,6	81
1119010	10 G 0.5	8,6	48	116
1119012	12 G 0.5	8,9	58	131
1119014	14 G 0.5	9,5	67	153
1119018	18 G 0.5	10,5	86,4	188
1119021	21 G 0.5	11,7	101	221

1119025	25 G0.5		12,4	120	261
1119030	30 G0.5		13,3	144	304
1119035	35 G0.5		14,5	168	356
1119040	40 G0.5		15,4	192	400
1119052	52 G0.5		17,3	250	517
1119061	61 G0.5		18,5	293	603
1119065	65 G0.5		19,6	312	644
1119080	80 G0.5		21,1	384	780
1119100	100 G0.5		23,6	480	975
1119802	2 X0.75		5,4	14,4	45
1119103	3 G0.75		5,7	21,6	55
1119803	3 X0.75		5,7	21,6	55
1119104	4 G0.75		6,2	28,8	66
1119804	4 X0.75		6,2	28,8	66
1119105	5 G0.75		6,7	36	79
1119805	5 X0.75		6,7	36	79
1119107	7 G0.75		7,3	50	101
1119807	7 X0.75		7,3	50	101
1119109	9 G0.75		9,4	65	137
1119110	10 G0.75		9,6	72	150
1119112	12 G0.75		9,9	86	171
1119812	12 X0.75		9,9	86	171
1119115	15 G0.75		10,9	108	209
1119117	15 X0.75		10,9	108	209
1119116	16 G0.75		11,1	115,2	220
1119118	18 G0.75		11,7	130	244
1119121	21 G0.75		13	151	286
1119125	25 G0.75		13,8	180	337
1119126	26 G0.75		14,2	187,2	350
1119134	34 G0.75		15,9	245	448
1119141	41 G0.75		17,4	296	538
1119150	50 G0.75		19,2	360	648
1119151	51 G0.75		19,2	367	646
1119161	61 G0.75		20,5	439	779
1119165	65 G0.75		21,8	468	832
1119180	80 G0.75		23,6	576	1019
1119200	100 G0.75		26,4	718	1271
1119852	2 X1.0		5,7	19,2	53
1119203	3 G1.0		6	28,8	65
1119853	3 X1.0		6	28,8	65
1119204	4 G1.0		6,5	38,4	79
1119854	4 X1.0		6,5	38,4	79
1119205	5 G1.0		7,1	48	94
1119855	5 X1.0		7,1	48	94
1119206	6 G1.0		8	58	113
1119207	7 G1.0		8	67	126
1119857	7 X1.0		8	67	126
1119208	8 G1.0		9,5	77	149
1119209	9 G1.0		10	86	164
1119210	10 G1.0		10,2	96	180
1119212	12 G1.0		10,5	115	205
1119862	12 X1.0		10,5	115	205
1119214	14 G1.0		11,2	134	238
1119216	16 G1.0		11,8	153,6	266
1119218	18 G1.0		12,7	173	320
1119868	18 X1.0		12,7	173	320
1119220	20 G1.0		13,4	192	330

1119870	20 X1.0		13,4	192	330
1119225	25 G1.0		14,7	240	408
1119226	26 G1.0		15,1	249	424
1119234	34 G1.0		17,1	326	551
1119236	36 G1.0		17,4	346	578
1119241	41 G1.0		18,8	394	661
1119250	50 G1.0		20,6	480	797
1119256	56 G1.0		21,4	538	888
1119261	61 G1.0		22,1	586	958
1119265	65 G1.0		23,6	624	1033
1119280	80 G1.0		25,3	768	1251
1119300	100 G1.0		28,3	960	1560
1119902	2 X1.5		6,3	29	68
1119303	3 G1.5		6,7	43	84
1119903	3 X1.5		6,7	43	84
1119304	4 G1.5		7,2	58	104
1119904	4 X1.5		7,2	58	104
1119305	5 G1.5		8,1	72	128
1119905	5 X1.5		8,1	72	128
1119306	6 G1.5		8,4	86,4	157
1119307	7 G1.5		8,9	101	166
1119907	7 X1.5		8,9	101	166
1119308	8 G1.5		10,6	115	210
1119313	8 X1.5		10,6	116	210
1119309	9 G1.5		11,4	130	221
1119310	10 G1.5		11,6	143	243
1119311	11 G1.5		11,6	158	258
1119312	12 G1.5		12	173	279
1119912	12 X1.5		12	173	279
1119314	14 G1.5		12,7	202	323
1119316	16 G1.5		13,4	230,4	361
1119318	18 G1.5		14,4	259	407
1119321	21 G1.5		15,7	302	469
1119325	25 G1.5		16,9	360	560
1119326	26 G1.5		17,3	374,4	582
1119332	32 G1.5		18,7	461	704
1119334	34 G1.5		19,4	490	746
1119341	41 G1.5		21,3	591	895
1119350	50 G1.5		23,5	720	1089
1119361	61 G1.5		25,2	878	1309
1119365	65 G1.5		26,7	936	1398
1119952	2 X2.5		7,5	48	101
1119403	3 G2.5		8,1	72	132
1119404	4 G2.5		8,9	96	163
1119405	5 G2.5		10	120	200
1119407	7 G2.5		11,1	168	267
1119412	12 G2.5		14,8	288	445
1119414	14 G2.5		15,8	336	515
1119418	18 G2.5		17,8	432	648
1119425	25 G2.5		20,8	600	890
1119434	34 G2.5		24,4	816	1208
1119450	50 G2.5		29,4	1,200.0	1754
1119503	3 G4		9,9	115	201
1119504	4 G4		10,8	154	249
1119505	5 G4		12,1	192	294
1119507	7 G4		13,4	269	407
1119511	11 G4		17,6	422	634

1119512	12 G4	18,1	461	660
1119603	3 G6	11,7	172,8	289
1119604	4 G6	13	230	365
1119605	5 G6	14,5	288	447
1119607	7 G6	16	403	600
1119613	3 G10	14,6	288	466
1119614	4 G10	16,2	384	590
1119615	5 G10	18,1	480	722
1119617	7 G10	20	672	968
1119624	4 G16	18,8	614	1087
1119625	5 G16	21,2	768	1370
1119627	7 G16	23,4	1,075.0	1779
1119634	4 G25	23,5	960	1582
1119635	5 G25	26,4	1,200.0	1998
1119636	7 G25	29,1	1,680.0	2825
1119644	4 G35	26,4	1,344.0	2106
1119645	5 G35	29,6	1,680.0	2635