



## ÖLFLEX® CLASSIC 110 SY

Control cable with numbered cores and steel wire braiding.

With VDE registration No.7030. High safety due to mechanical protection.

With  
oxidation-protected  
steel wire braiding



### Application

#### *Range of application:*

- Link and connection control cable.
- Predominantly installed in dry, damp or wet rooms at normal stress.
- Considering the temperature range and the UV protection it can be used outdoors.
- Suitable for free, not continuously returning movement without tensile stress or compulsory guidance as well as for fixed laying.

#### *Suitable for:*

- Plant engineering
- Machine tools
- Conveyor systems
- Assembly lines
- Production lines
- Power stations
- Office machines
- Cooling and data processing systems
- Air conditioning technology
- Measuring and automatic control and computer units
- Equipment constructions
- Laquering shops

### Advantages

- Optimal small outside diameters reduce the space requirements.
- Fulfills highest electrical and mechanical demands.
- 4000 V AC test voltage shows its highest electrical strength.
- The VDE certificate with production control acknowledges the CE conformity of these 500 V cables in accordance to the EEC Low Voltage Directive.
- The cable is tough, flexible and extensively resistant against oils and chemicals.
- After leaving production it is free of substances harmful to paint (LBS-free, silicone-free) and therefore also usable in laquering shops.
- High mechanical protection and a defined degree of electrical shielding is provided by the oxidation-protected steel wire braiding under the transparent outer sheath, which protects the braid against dirt.

### Worth knowing

#### *Accessories:*

- The perfect glands and conduits you'll find in chapter SKINTOP®, SKINDICHT® Cable Glands ([1318]) and SILVYN® Protective Cable Conduit Systems ([1319]).
- For suitable cable processing products see chapter Cable Accessories, [1320].
- Marking systems for industrial application are listed in chapter FLEXIMARK® Marking Products, [1321].

#### *Comparable products:*

- EMC-conforming alternatives: [262]

- For continuously moved applications see appendix A2.










*Technical note:*

- All dimensions are designed uniformly for the nominal voltage class: U0/U: 300/500 V.
- This product is conform to 73/23 Low Voltage Directive, CE.
- Attention: do not stock in damp interiors or outdoors.
- Flame-retardant (IEC 60332.1)

### Cable Make-up

- Fine wire strands of plain copper wires in acc. to VDE 0295 class 5/IEC class 5
- PVC P8/1 core insulation
- Black with white numbers
- Version G: one green-yellow core identified as protective conductor
- Version X: without protective conductor
- Cores twisted in layers
- Covered with a special PVC inner sheath
- Braid of oxidation-protected steel wire
- Transparent outer sheath of special PVC-based compound

### Technical Data

 Minimum bending radius for für flexiblen Einsatz: 20 x Außendurchmesser fest verlegt: 6 x Außendurchmesser	 Temperature range: bewegt: -5 °C bis +70 °C fest verlegt: -30 °C bis +80 °C	 Conductor stranding: feindrähtig nach VDE 0295 Klasse 5 / IEC Cl.5	 Core ident code: schwarze Adern weißen Nummer (VDE 0293)
 Protective conductor: G = mit Schutzleiter gnge X = ohne Schutzleiter	 Nominal voltage U0/U: 300/500 V	 Insulation: specific insulation resistance: > 20 GOhm x cm	 Test voltage: 4000 V
 VDE tested: VDE-Reg. Nr. 7030			

Part-Number	No of cores and mm <sup>2</sup> per conductor	Approx. outside diameter in mm ca.	Copper weight kg/km	Approx. weight kg/km
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For a quotation please click on a part number

#### ÖLFLEX® CLASSIC 110 SY, U0/U: 300/500 V

1125 752	2 X 0,5	7,8	10,0	87
1125 003	3 G 0,5	8,1	15,0	95
1125 004	4 G 0,5	8,5	19,2	107
1125 005	5 G 0,5	9,2	24,0	123
1125 007	7 G 0,5	9,7	33,6	147
1125 010	10 G 0,5	11,6	48,0	196
1125 012	12 G 0,5	11,9	58,0	213
1125 014	14 G 0,5	12,5	67,0	237
1125 018	18 G 0,5	13,9	86,4	291
1125 021	21 G 0,5	14,9	101,0	332
1125 025	25 G 0,5	15,6	120,0	375

1125 030	30 G 0,5	16,5	144,0	422
1125 040	40 G 0,5	18,8	192,0	545
1125 052	52 G 0,5	20,7	250,0	680
1125 061	61 G 0,5	21,9	293,0	773
1125 802	2 X 0,75	8,2	14,4	97
1125 103	3 G 0,75	8,5	21,6	108
1125 104	4 G 0,75	9,2	28,8	126
1125 105	5 G 0,75	9,7	36,0	146
1125 107	7 G 0,75	10,3	50,0	172
1125 109	9 G 0,75	12,4	65,0	224
1125 112	12 G 0,75	12,9	86,0	260
1125 115	15 G 0,75	14,1	108,0	315
1125 118	18 G 0,75	14,9	130,0	355
1125 121	21 G 0,75	16,2	151,0	402
1125 125	25 G 0,75	17,0	180,0	465
1125 134	34 G 0,75	19,3	245,0	596
1125 141	41 G 0,75	20,8	296,0	704
1125 150	50 G 0,75	22,8	360,0	832
1125 161	61 G 0,75	23,9	439,0	960
1125 852	2 X 1,0	8,5	19,2	106
1125 203	3 G 1,0	8,8	28,8	119
1125 204	4 G 1,0	9,5	38,4	141
1125 205	5 G 1,0	10,1	48,0	164
1125 207	7 G 1,0	11,0	67,0	200
1125 208	8 G 1,0	12,5	77,0	234
1125 209	9 G 1,0	13,2	86,0	260
1125 212	12 G 1,0	13,9	115,0	309
1125 214	14 G 1,0	14,4	134,0	345
1125 218	18 G 1,0	15,9	173,0	415
1125 220	20 G 1,0	16,8	192,0	455
1125 225	25 G 1,0	18,1	240,0	548
1125 234	34 G 1,0	20,5	326,0	714
1125 241	41 G 1,0	22,2	394,0	832
1125 250	50 G 1,0	24,2	480,0	987
1125 265	65 G 1,0	27,2	624,0	1250
1125 902	2 X 1,5	9,3	29,0	128
1125 303	3 G 1,5	9,7	43,0	151
1125 304	4 G 1,5	10,2	58,0	173
1125 305	5 G 1,5	11,1	72,0	202
1125 307	7 G 1,5	11,9	101,0	248
1125 308	8 G 1,5	14,0	115,0	301
1125 309	9 G 1,5	14,6	130,0	331

1125 311	11 G 1,5	14,8	158,0	368
1125 312	12 G 1,5	15,4	173,0	396
1125 314	14 G 1,5	15,9	202,0	438
1125 318	18 G 1,5	17,6	259,0	538
1125 325	25 G 1,5	20,3	360,0	713
1125 332	32 G 1,5	22,1	461,0	876
1125 334	34 G 1,5	23,0	490,0	931
1125 341	41 G 1,5	24,9	591,0	1101
1125 350	50 G 1,5	27,1	720,0	1305
1125 403	3 G 2,5	11,1	72,0	206
1125 404	4 G 2,5	12,1	96,0	249
1125 405	5 G 2,5	13,2	120,0	295
1125 407	7 G 2,5	14,3	168,0	373
1125 412	12 G 2,5	18,2	288,0	586
1125 418	18 G 2,5	21,4	432,0	823
1125 425	25 G 2,5	24,4	600,0	1093
1125 503	3 G 4,0	12,7	115,0	285
1125 504	4 G 4,0	14,0	154,0	348
1125 505	5 G 4,0	15,1	192,0	410
1125 507	7 G 4,0	16,4	269,0	519
1125 604	4 G 6,0	16,2	230,0	482
1125 605	5 G 6,0	17,7	288,0	579
1125 607	7 G 6,0	19,2	403,0	740
1125 614	4 G 10,0	19,4	384,0	731
1125 615	5 G 10,0	21,5	480,0	889
1125 617	7 G 10,0	23,4	672,0	1146
1125 624	4 G 16,0	22,4	614,0	1384
1125 625	5 G 16,0	24,6	768,0	1740
1125 627	7 G 16,0	27,2	1075,0	2165

G = with protective conductor gn/ye; X = Without protective conductor.

No cutting costs are charged for standard lengths (50, 100, 500, 1000 m).

Please advise the lengths you require (e.g. 1 x 500 m drum or 5 x 100 m coil).

Coils < 30 kg, drums > 30kg.

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