

# ÖLFLEX® CLASSIC 110/110 CY

Flexible Power and Control Cable; Number-Coded; Unshielded & Shielded



ÖLFLEX® CLASSIC 110 is a number-coded multi-conductor power and control cable for use in all electrical equipment in dry, damp, or wet conditions. It is a European-style cable, conforms to CE, and is available unshielded or shielded.

### Recommended Applications

Control systems; assembly lines; control panels; data processing equipment; European-influenced machinery

### Approvals



### Unshielded Construction

**Conductors:** Finely stranded bare copper

**Insulation:** PVC

**Jacket:** PVC; gray

### Shielded Construction

**Conductors:** Finely stranded bare copper

**Insulation:** PVC

**Shielding:** Gray PVC inner jacket; tinned copper braid (85% coverage)

**Jacket:** PVC; transparent

### Application Advantage

- Common European control cable
- Conforms to CE standards
- Available with inner jacket and tinned copper braid for EMI & RFI protection
- Pressure-extruded jacket for improved flexibility

**Cable Attributes, see page 659**

OR-01	FR-02	FL-01	MP-01
OIL	FLAME	MOTION	MECHANICAL

**Similar Cables**

- ÖLFLEX® 190/190 CY

**Complete the Installation**

	SKINTOP® Strain Relief: page 502		EPIC® Connectors: page 278
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Technical Data	
<b>Minimum Bend Radius:</b>	<ul style="list-style-type: none"> <li>- for installation: 4 x cable diameter</li> <li>- shielded: 6 x cable diameter</li> </ul>
<b>Temperature Range:</b>	<ul style="list-style-type: none"> <li>- for flexible use: -5°C to +70°C</li> <li>- for stationary use: -40°C to +80°C</li> </ul>
<b>Nominal Voltage:</b>	300/500V
<b>Test Voltage:</b>	4000V
<b>Conductor Stranding:</b>	Class 5 fine wire
<b>Color Code:</b>	Black with white numbers, plus green/yellow ground
<b>Approvals:</b>	Based on VDE 7030 CE & RoHS

Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

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Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
<b>20 AWG (0.50 mm<sup>2</sup>)</b>						1119318	18	0.567 14.4	174	274	S1121
1119752*	2	0.189 4.8	6	24	S1107	1119325	25	0.665 16.9	242	376	S1121
1119003	3	0.201 5.1	10	28	S1107	1119334	34	0.764 19.4	329	501	S1129
1119004	4	0.224 5.7	13	36	S1107	1119341	41	0.839 21.3	397	602	S1129
1119005	5	0.244 6.2	16	42	S1107	1119350	50	0.925 23.5	484	732	S1129
1119007	7	0.264 6.7	23	54	S1109	1119365	65	1.051 26.7	629	940	S1136
1119012	12	0.350 8.9	39	88	S1111	<b>14 AWG (2.50 mm<sup>2</sup>)</b>					
1119018	18	0.413 10.5	58	126	S1113	1119952*	2	0.295 7.5	32	68	S1111
1119025	25	0.488 12.4	81	175	S1116	1119403	3	0.319 8.1	48	89	S1111
1119035	35	0.571 14.5	113	239	S1121	1119404	4	0.350 8.9	65	110	S1111
1119052	52	0.681 17.3	168	347	S1129	1119405	5	0.394 10.0	81	134	S1113
1119065	65	0.772 19.6	210	433	S1129	1119407	7	0.437 11.1	113	179	S1113
1119080	80	0.831 21.1	258	524	S1129	1119412	12	0.583 14.8	194	299	S1121
1119100	100	0.929 23.6	323	655	S1129	1119418	18	0.701 17.8	290	436	S1129
<b>18 AWG (1.00 mm<sup>2</sup>)</b>						1119425	25	0.819 20.8	403	598	S1129
1119852*	2	0.224 5.7	13	36	S1107	1119434	34	0.961 24.4	548	812	S1129
1119203	3	0.236 6.0	19	44	S1107	1119450	50	1.157 29.4	806	1179	S1136
1119204	4	0.256 6.5	26	53	S1109	<b>12 AWG (4 mm<sup>2</sup>)</b>					
1119205	5	0.280 7.1	32	63	S1111	1119503	3	0.390 9.9	77	135	S1113
1119207	7	0.315 8.0	45	85	S1111	1119504	4	0.425 10.8	103	167	S1113
1119212	12	0.413 10.5	77	138	S1113	1119505	5	0.476 12.1	129	198	S1116
1119218	18	0.500 12.7	116	215	S1116	1119507	7	0.528 13.4	181	274	S1116
1119225	25	0.579 14.7	161	274	S1121	<b>10 AWG (6 mm<sup>2</sup>)</b>					
1119234	34	0.673 17.1	219	370	S1121	1119603	3	0.461 11.7	116	194	S1116
1119241	41	0.740 18.8	265	444	S1129	1119604	4	0.512 13.0	155	245	S1116
1119250	50	0.811 20.6	323	536	S1129	1119605	5	0.571 14.5	194	300	S1121
1119265	65	0.929 23.6	419	694	S1129	1119607	7	0.630 16.0	271	403	S1121
1119280	80	0.996 25.3	516	841	S1136	<b>8 AWG (10 mm<sup>2</sup>)</b>					
1119300	100	1.114 28.3	645	1048	S1136	1119614	4	0.638 16.2	258	397	S1121
<b>16 AWG (1.50 mm<sup>2</sup>)</b>						<b>6 AWG (16 mm<sup>2</sup>)</b>					
1119902*	2	0.248 6.3	19	46	S1109	1119624	4	0.740 18.8	413	731	S1129
1119303	3	0.264 6.7	29	56	S1109	<b>4 AWG (25 mm<sup>2</sup>)</b>					
1119304	4	0.283 7.2	39	70	S1111	1119634	4	0.925 23.5	645	1063	S1129
1119305	5	0.319 8.1	48	86	S1111	<b>2 AWG (35 mm<sup>2</sup>)</b>					
1119307	7	0.350 8.9	68	112	S1111	1119644	4	1.039 26.4	903	1415	S1136
1119312	12	0.472 12.0	116	188	S1116	1119645	5	1.165 29.6	1129	1771	S1136

\* 2c cable does not include ground.

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Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
<b>20 AWG (0.50 mm<sup>2</sup>)</b>						1135305	5	0.406 10.3	84	126	53112230
1135003	3	0.287 7.3	31	56	53112220	1135307	7	0.445 11.3	100	159	53112240
1135004	4	0.311 7.9	37	67	53112220	1135312	12	0.583 14.8	188	264	53112250
1135005	5	0.331 8.4	44	75	53112220	1135318	18	0.677 17.2	261	362	53112260
1135007	7	0.350 8.9	54	89	53112220	1135325	25	0.791 20.1	360	501	53112260
1135012	12	0.445 11.3	93	136	53112240	<b>14 AWG (2.50 mm<sup>2</sup>)</b>					
1135018	18	0.524 13.3	105	194	53112240	1135403	3	0.406 10.3	98	129	53112230
1135025	25	0.598 15.2	168	254	53112250	1135404	4	0.445 11.3	112	157	53112240
<b>18 AWG (1.00 mm<sup>2</sup>)</b>						1135405	5	0.496 12.6	134	190	53112240
1135203	3	0.323 8.2	44	75	53112220	1135407	7	0.547 13.9	194	249	53112250
1135204	4	0.343 8.7	52	87	53112220	<b>12 AWG (4 mm<sup>2</sup>)</b>					
1135205	5	0.374 9.5	60	103	53112230	1135504	4	0.528 13.4	159	233	53112240
1135207	7	0.402 10.2	76	124	53112230	1135505	5	0.579 14.7	188	278	53112250
1135212	12	0.524 13.3	126	206	53112240	<b>10 AWG (6 mm<sup>2</sup>)</b>					
1135218	18	0.610 15.5	192	288	53112250	1135604	4	0.622 15.8	214	326	53112250
1135225	25	0.689 17.5	261	366	53112260	<b>8 AWG (10 mm<sup>2</sup>)</b>					
<b>16 AWG (1.50 mm<sup>2</sup>)</b>						1135614	4	0.748 19.0	375	494	53112260
1135902*	2	0.335 8.5	44	79	53112220	<b>6 AWG (16 mm<sup>2</sup>)</b>					
1135303	3	0.350 8.9	56	91	53112220	1135624	4	0.874 22.2	540	934	53112260
1135304	4	0.378 9.6	67	110	53112230						

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Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® Section. Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.