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.

Unshielded Construction

Conductors: Finely stranded bare copper

Insulation: PVC

Jacket: Gray PVC

Shielded Construction

Conductors: Finely stranded bare copper

Insulation: PVC

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

Jacket: Transparent PVC

Recommended Applications

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

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

Approvals

VDE CE RoHS

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

Technical Data

Minimum Bend Radius:	
- for installation:	4 x cable diameter
- shielded:	6 x cable diameter
Temperature Range:	
- for flexible use:	-5°C to +70°C
- for stationary use:	-40°C to +80°C
Nominal Voltage:	300/500V
Test Voltage:	4000V
Conductor Stranding:	Class 5 fine wire
Color Code:	Black with white numbers, plus green/yellow ground
Approvals:	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)	Nominal Outer Diameter (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
20 AWG (0.50 mm²)						
1119752*	2	0.189	4.8	6	24	S1107
1119003	3	0.201	5.1	10	28	S1107
1119004	4	0.224	5.7	13	36	S1107
1119005	5	0.244	6.2	16	42	S1107
1119007	7	0.264	6.7	23	54	S1109
1119012	12	0.350	8.9	39	88	S1111
1119018	18	0.413	10.5	58	126	S1113
1119025	25	0.488	12.4	81	175	S1116
1119035	35	0.571	14.5	113	239	S1121
1119052	52	0.681	17.3	168	347	S1129
1119065	65	0.772	19.6	210	433	S1129
1119080	80	0.831	21.1	258	524	S1129
1119100	100	0.929	23.6	323	655	S1129
18 AWG (1.00 mm²)						
1119852*	2	0.224	5.7	13	36	S1107
1119203	3	0.236	6.0	19	44	S1107
1119204	4	0.256	6.5	26	53	S1109
1119205	5	0.280	7.1	32	63	S1111
1119207	7	0.315	8.0	45	85	S1111
1119212	12	0.413	10.5	77	138	S1113
1119218	18	0.500	12.7	116	215	S1116
1119225	25	0.579	14.7	161	274	S1121
1119234	34	0.673	17.1	219	370	S1121
1119241	41	0.740	18.8	265	444	S1129
1119250	50	0.811	20.6	323	536	S1129
1119265	65	0.929	23.6	419	694	S1129
1119280	80	0.996	25.3	516	841	S1136
1119300	100	1.114	28.3	645	1048	S1136
16 AWG (1.50 mm²)						
1119902*	2	0.248	6.3	19	46	S1109
1119303	3	0.264	6.7	29	56	S1109
1119304	4	0.283	7.2	39	70	S1111
1119305	5	0.319	8.1	48	86	S1111
1119307	7	0.350	8.9	68	112	S1111
1119312	12	0.472	12.0	116	188	S1116
1119318	18	0.567	14.4	174	274	S1121
1119325	25	0.665	16.9	242	376	S1121
1119334	34	0.764	19.4	329	501	S1129
1119341	41	0.839	21.3	397	602	S1129
1119350	50	0.925	23.5	484	732	S1129
1119365	65	1.051	26.7	629	940	S1136
14 AWG (2.50 mm²)						
1119952*	2	0.295	7.5	32	68	S1111
1119403	3	0.319	8.1	48	89	S1111
1119404	4	0.350	8.9	65	110	S1111
1119405	5	0.394	10.0	81	134	S1113
1119407	7	0.437	11.1	113	179	S1113
1119412	12	0.583	14.8	194	299	S1121
1119418	18	0.701	17.8	290	436	S1129
1119425	25	0.819	20.8	403	598	S1129
1119434	34	0.961	24.4	548	812	S1129
1119450	50	1.157	29.4	806	1179	S1136
12 AWG (4 mm²)						
1119503	3	0.390	9.9	77	135	S1113
1119504	4	0.425	10.8	103	167	S1113
1119505	5	0.476	12.1	129	198	S1116
1119507	7	0.528	13.4	181	274	S1116
10 AWG (6 mm²)						
1119603	3	0.461	11.7	116	194	S1116
1119604	4	0.512	13.0	155	245	S1116
1119605	5	0.571	14.5	194	300	S1121
1119607	7	0.630	16.0	271	403	S1121
8 AWG (10 mm²)						
1119614	4	0.638	16.2	258	397	S1121
6 AWG (16 mm²)						
1119624	4	0.740	18.8	413	731	S1129
4 AWG (25 mm²)						
1119634	4	0.925	23.5	645	1063	S1129
2 AWG (35 mm²)						
1119644	4	1.039	26.4	903	1415	S1136
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)	Nominal Outer Diameter (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
20 AWG (0.50 mm²)						
1135003	3	0.287	7.3	31	56	53112220
1135004	4	0.311	7.9	37	67	53112220
1135005	5	0.331	8.4	44	75	53112220
1135007	7	0.350	8.9	54	89	53112220
1135012	12	0.445	11.3	93	136	53112240
1135018	18	0.524	13.3	105	194	53112240
1135025	25	0.598	15.2	168	254	53112250
18 AWG (1.00 mm²)						
1135203	3	0.323	8.2	44	75	53112220
1135204	4	0.343	8.7	52	87	53112220
1135205	5	0.374	9.5	60	103	53112230
1135207	7	0.402	10.2	76	124	53112230
1135212	12	0.524	13.3	126	206	53112240
1135218	18	0.610	15.5	192	288	53112250
1135225	25	0.689	17.5	261	366	53112260
16 AWG (1.50 mm²)						
1135902*	2	0.335	8.5	44	79	53112220
1135303	3	0.350	8.9	56	91	53112220
1135304	4	0.378	9.6	67	110	53112230
1135305	5	0.406	10.3	84	126	53112230
1135307	7	0.445	11.3	100	159	53112240
1135312	12	0.583	14.8	188	264	53112250
1135318	18	0.677	17.2	261	362	53112260
1135325	25	0.791	20.1	360	501	53112260
14 AWG (2.50 mm²)						
1135403	3	0.406	10.3	98	129	53112230
1135404	4	0.445	11.3	112	157	53112240
1135405	5	0.496	12.6	134	190	53112240
1135407	7	0.547	13.9	194	249	53112250
12 AWG (4 mm²)						
1135504	4	0.528	13.4	159	233	53112240
1135505	5	0.579	14.7	188	278	53112250
10 AWG (6 mm²)						
1135604	4	0.622	15.8	214	326	53112250
8 AWG (10 mm²)						
1135614	4	0.748	19.0	375	494	53112260
6 AWG (16 mm²)						
1135624	4	0.874	22.2	540	934	53112260

* 2c cable does not include ground.

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.