

# ÖLFLEX® CLASSIC 110 SY

Flexible Power and Control Cable; Number-Coded; Steel Braid



ÖLFLEX® CLASSIC 110 SY is a number-coded multi-conductor power and control cable with a galvanized steel braid shield for mechanical and low-frequency protection. It is a European-style cable conforming to CE, for use in all electrical equipment in dry, damp, or wet conditions.

## Recommended Applications

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

## Approvals



## Construction

**Conductors:** Finely stranded bare copper

**Insulation:** PVC

**Shielding:** Gray PVC inner jacket; galvanized steel braid (75% coverage)

**Jacket:** Transparent PVC

## Application Advantage

- European-style control and power cable
- Conforms to CE standards
- Inner jacket and steel braid for mechanical protection
- Steel braid provides protection from low-frequency noise
- 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® 100 SY

**Complete the Installation**

SKINTOP® Strain Relief: page 502	EPIC® Connectors: page 278
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## Technical Data

<b>Minimum Bend Radius:</b>	6 x cable diameter	<b>Test Voltage:</b>	4000V
<b>Temperature Range:</b>	- for flexible use: -5°C to +70°C - for stationary use: -40°C to +80°C	<b>Conductor Stranding:</b>	Class 5 fine wire
<b>Nominal Voltage:</b>	300/500V	<b>Color Code:</b>	Black with white numbers, plus green/yellow ground
		<b>Approvals:</b>	Based on VDE 7030 CE & RoHS

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>						1125312	12	0.606 15.4	116	266	S1121
1125003	3	0.319 8.1	10	64	S1111	1125318	18	0.693 17.6	174	362	S1129
1125004	4	0.335 8.5	13	72	S1111	1125325	25	0.799 20.3	242	479	S1129
1125005	5	0.362 9.2	16	83	S1111	<b>14 AWG (2.50 mm<sup>2</sup>)</b>					
1125007	7	0.382 9.7	23	99	S1113	1125403	3	0.437 11.1	48	138	S1113
1125012	12	0.469 11.9	39	143	S1116	1125404	4	0.476 12.1	65	167	S1116
1125018	18	0.547 13.9	58	196	S1121	1125405	5	0.520 13.2	81	198	S1116
1125025	25	0.614 15.6	81	252	S1121	1125407	7	0.563 14.3	113	251	S1121
<b>18 AWG (1.00 mm<sup>2</sup>)</b>						1125412	12	0.717 18.2	194	394	S1129
1125852*	2	0.335 8.5	13	71	S1111	1125418	18	0.843 21.4	290	553	S1129
1125203	3	0.346 8.8	19	80	S1111	1125425	25	0.961 24.4	403	734	S1129
1125204	4	0.374 9.5	26	95	S1111	<b>12 AWG (4 mm<sup>2</sup>)</b>					
1125205	5	0.398 10.1	32	110	S1113	1125503	3	0.500 12.7	77	192	S1116
1125207	7	0.433 11.0	45	134	S1113	1125504	4	0.551 14.0	103	234	S1121
1125212	12	0.547 13.9	77	208	S1121	1125505	5	0.594 15.1	129	276	S1121
1125218	18	0.626 15.9	116	279	S1121	<b>10 AWG (6 mm<sup>2</sup>)</b>					
1125225	25	0.713 18.1	161	368	S1129	1125604	4	0.638 16.2	155	324	S1121
<b>16 AWG (1.50 mm<sup>2</sup>)</b>						1125605	5	0.697 17.7	194	389	S1129
1125303	3	0.382 9.7	29	101	S1113	<b>8 AWG (10 mm<sup>2</sup>)</b>					
1125304	4	0.402 10.2	39	116	S1113	1125614	4	0.764 19.4	258	491	S1129
1125305	5	0.437 11.1	48	136	S1113	<b>6 AWG (16 mm<sup>2</sup>)</b>					
1125307	7	0.469 11.9	68	167	S1116	1125624	4	0.882 22.4	413	930	S1129

\* 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.