

# 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 machinery

## Approvals



## Construction

**Conductors:** Finely stranded bare copper

**Insulation:** PVC

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

**Jacket:** PVC; transparent

## 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		page 640	
OIL	OR-01	FLAME	FR-02
MOTION	FL-01	MECH.	MP-01

Complete the Installation	
SKINTOP® MS-SC page 516	EPIC® Connectors page 280

## Technical Data

**Minimum Bend Radius:** 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

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
<b>20 AWG (0.50 mm<sup>2</sup>)</b>						<b>14 AWG (2.50 mm<sup>2</sup>)</b>					
1125003	3	0.319 8.1	10	64	53112220	1125403	3	0.437 11.1	48	138	53112230
1125004	4	0.335 8.5	13	72	53112220	1125404	4	0.476 12.1	65	167	53112240
1125005	5	0.362 9.2	16	83	53112220	1125405	5	0.520 13.2	81	198	53112240
1125007	7	0.382 9.7	23	99	53112230	1125407	7	0.563 14.3	113	251	53112250
1125012	12	0.469 11.9	39	143	53112240	1125412	12	0.717 18.2	194	394	53112260
1125018	18	0.547 13.9	58	196	53112250	1125418	18	0.843 21.4	290	553	53112260
1125025	25	0.614 15.6	81	252	53112250	1125425	25	0.961 24.4	403	734	53112260
<b>18 AWG (1.00 mm<sup>2</sup>)</b>						<b>12 AWG (4 mm<sup>2</sup>)</b>					
1125852*	2	0.335 8.5	13	71	53112220	1125503	3	0.500 12.7	77	192	53112240
1125203	3	0.346 8.8	19	80	53112220	1125504	4	0.551 14.0	103	234	53112250
1125204	4	0.374 9.5	26	95	53112230	1125505	5	0.594 15.1	129	276	53112250
1125205	5	0.398 10.1	32	110	53112230	<b>10 AWG (6 mm<sup>2</sup>)</b>					
1125207	7	0.433 11.0	45	134	53112230	1125604	4	0.638 16.2	155	324	53112250
1125212	12	0.547 13.9	77	208	53112250	1125605	5	0.697 17.7	194	389	53112260
1125218	18	0.626 15.9	116	279	53112250	<b>8 AWG (10 mm<sup>2</sup>)</b>					
1125225	25	0.713 18.1	161	368	53112260	1125614	4	0.764 19.4	258	491	53112260
<b>16 AWG (1.50 mm<sup>2</sup>)</b>						<b>6 AWG (16 mm<sup>2</sup>)</b>					
1125303	3	0.382 9.7	29	101	53112230	1125624	4	0.882 22.4	413	930	53112260
1125304	4	0.402 10.2	39	116	53112230						
1125305	5	0.437 11.1	48	136	53112230						
1125307	7	0.469 11.9	68	167	53112240						
1125312	12	0.606 15.4	116	266	53112250						
1125318	18	0.693 17.6	174	362	53112260						
1125325	25	0.799 20.3	242	479	53112260						

\* 2c cable does not include ground

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