

ÖLFLEX® CLASSIC 110 SY

Flexible number-coded power & control cable with 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



Cable attributes		page 648	
OIL	OR-01	FLAME	FR-02
MOTION	FL-01	MECH.	MP-01

Construction

Conductors: finely stranded bare copper

Insulation: PVC

Inner jacket: PVC; gray

Shielding: 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

Complete the installation

SKINTOP® MS-SC page 522	EPIC® connectors page 284
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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		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
20 AWG (0.5 mm²)						
1125003	3	0.319	8.1	10	64	53112220
1125004	4	0.335	8.5	13	72	53112220
1125005	5	0.362	9.2	16	83	53112220
1125007	7	0.382	9.7	23	99	53112230
1125012	12	0.469	11.9	39	143	53112240
1125018	18	0.547	13.9	58	196	53112250
1125025	25	0.614	15.6	81	252	53112250
18 AWG (1 mm²)						
1125852	2	0.335	8.5	13	71	53112220
1125203	3	0.346	8.8	19	80	53112220
1125204	4	0.374	9.5	26	95	53112230
1125205	5	0.398	10.1	32	110	53112230
1125207	7	0.433	11.0	45	134	53112230
1125212	12	0.547	13.9	77	208	53112250
1125218	18	0.626	15.9	116	279	53112250
1125225	25	0.713	18.1	161	368	53112260
16 AWG (1.5 mm²)						
1125303	3	0.382	9.7	29	101	53112230
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

Part number	Number of conductors incl. ground*	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
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
14 AWG (2.5 mm²)						
1125403	3	0.437	11.1	48	138	53112230
1125404	4	0.476	12.1	65	167	53112240
1125405	5	0.520	13.2	81	198	53112240
1125407	7	0.563	14.3	113	251	53112250
1125412	12	0.717	18.2	194	394	53112260
1125418	18	0.843	21.4	290	553	53112260
1125425	25	0.961	24.4	403	734	53112260
12 AWG (4 mm²)						
1125503	3	0.500	12.7	77	192	53112240
1125504	4	0.551	14.0	103	234	53112250
1125505	5	0.594	15.1	129	276	53112250
10 AWG (6 mm²)						
1125604	4	0.638	16.2	155	324	53112250
1125605	5	0.697	17.7	194	389	53112260
8 AWG (10 mm²)						
1125614	4	0.764	19.4	258	491	53112260
6 AWG (16 mm²)						
1125624	4	0.882	22.4	413	930	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.