

ÖLFLEX® CLASSIC 100 SY

Flexible color-coded power & control cable with steel braid



ÖLFLEX® CLASSIC 100 SY is a color-coded multi-conductor power and control cable with a galvanized steel braided shield for mechanical and low frequency protection. It is for use in all electrical equipment in dry, damp, or wet conditions. It is a European-style cable conforming to CE.

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

- Available with 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

Technical data

Minimum bend radius: - for installation:	6 x cable diameter	Test voltage:	4000V
Temperature range: - for flexible use: - for stationary use:	-5°C to +70°C -40°C to +80°C	Conductor stranding:	Class 5 fine wire
Nominal voltage: - ≤ 16 AWG: - ≥ 14 AWG:	300/500V 450/750V	Color code:	VDE 0293-308: chart 6, page 681
		Approvals:	based on VDE specifications 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			
18 AWG (1 mm²)						
0016043	3	0.346	8.8	19	103	S1111
00160443	4	0.374	9.5	26	121	S1111
00160453	5	0.398	10.1	32	136	S1113
16 AWG (1.5 mm²)						
0016065	3	0.382	9.7	29	128	S1113
00160663	4	0.402	10.2	39	146	S1113
00160673	5	0.437	11.1	48	180	S1113
14 AWG (2.5 mm²)						
0016088	3	0.496	12.6	48	187	S1116
00160893	4	0.547	13.9	65	228	S1121
00160903	5	0.598	15.2	81	267	S1121
12 AWG (4 mm²)						
0016101	2	0.535	13.6	52	221	S1121
00161023	4	0.618	15.7	103	307	S1121
00161033	5	0.673	17.1	129	366	S1121

Part number	Number of conductors incl. ground*	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
10 AWG (6 mm²)						
0016106	3	0.622	15.8	116	365	S1121
00161073	4	0.677	17.2	155	461	S1121
00161083	5	0.740	18.8	194	536	S1129
8 AWG (10 mm²)						
00161103	4	0.838	21.3	258	677	S1129
00161113	5	0.917	23.3	323	803	S1129
6 AWG (16 mm²)						
00161133	4	0.949	24.1	413	929	S1129
4 AWG (25 mm²)						
00161163	4	1.157	29.4	645	1356	S1136
00161173	5	1.283	32.6	806	1654	S1248
2 AWG (35 mm²)						
00161183	4	1.276	32.4	903	1725	S1248

* 2c cable does not include ground