

ÖLFLEX® FD 891 P

Highly Flexible Heavy Duty Continuous Flex Control Cable with PUR Jacket

LAPP KABEL STUTTGART ÖLFLEX® FD 891 P

ÖLFLEX® FD 891 P is a multi-conductor cable with a rugged abrasion-resistant polyurethane jacket designed for continuous flex applications. The polyurethane jacket is resistant to mineral oils, cutting fluids, and heavy mechanical abuse.

Recommended Applications

Cable track; power chains; gantry robots; pick and place units; conveyor systems; machine tools; continuous flexing applications

Approvals



Unshielded Construction

Conductors: Finely stranded bare copper

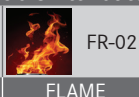
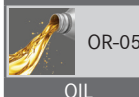
Insulation: Specially blended PVC; dry lubricant; non-woven wrapping over outer layer

Jacket: Specially formulated black polyurethane

Application Advantage

- North American and European market approvals
- Suitable for use in harsh environments
- Abrasion- and cut-resistant jacket
- Oil resistant
- CSA FT1 flame retardant
- UV resistant

Cable Attributes, see page 659



Similar Cables

- ÖLFLEX® FD 855 P
- ÖLFLEX® CHAIN 808 P

Complete the Installation



SKINTOP®
Strain Relief
page 502



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MS-SC:
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Technical Data



Minimum Bend Radius:

- for continuous flexing: 7.5 x cable diameter



Temperature Range:

- for continuous flexing: -5°C to +80°C
- for stationary use: -40°C to +80°C



Nominal Voltage:

- UL/CSA: 600V
- IEC: 300/500V



Test Voltage:

4000V



Conductor Stranding:

Class 6 super fine wire



Color Code:

Black with white numbers,
plus green/yellow ground



Approvals:

UL: AWM 20234
Attributes: NFPA 79 2012
Canada: cRU AWM I/II A/B FT1
Additional: CE & RoHS
Based on VDE 0250/0281/0282

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
20 AWG (0.50 mm²)						14 AWG (2.50 mm²)					
1028752*	2	0.256 6.5	6	31	S2109	1028952*	2	0.350 8.9	32	69	S2111
1028007	7	0.378 9.6	23	79	S2113	1028403	3	0.366 9.3	48	90	S2111
19 AWG (0.75 mm²)						1028404	4	0.406 10.3	65	116	S2113
1028103	3	0.287 7.3	15	44	S2111	1028405	5	0.445 11.3	81	146	S2113
1028104	4	0.315 8.0	19	55	S2111	1028407	7	0.528 13.4	113	210	S2116
1028105	5	0.343 8.7	24	68	S2111	1028412	12	0.622 15.8	194	309	S2121
1028107	7	0.421 10.7	34	95	S2113	12 AWG (4 mm²)					
1028112	12	0.461 11.7	58	132	S2116	1028503	3	0.429 10.9	77	132	S2113
1028118	18	0.547 13.9	87	190	S2121	1028504	4	0.476 12.1	103	173	S2116
1028125	25	0.654 16.6	121	271	S2121	1028507	7	0.634 16.1	181	317	S2121
1028134	34	0.744 18.9	165	364	S2129	10 AWG (6 mm²)					
1028150	50	0.886 22.5	242	496	S2129	1028604	4	0.539 13.7	155	244	S2121
16 AWG (1.50 mm²)						8 AWG (10 mm²)					
1028303	3	0.331 8.4	29	66	S2111	1028614	4	0.705 17.9	258	407	S2129
1028304	4	0.366 9.3	39	84	S2111	6 AWG (16 mm²)					
1028305	5	0.398 10.1	48	104	S2113	1028624	4	0.921 23.4	413	654	S2129
1028307	7	0.469 11.9	68	149	S2116	4 AWG (25 mm²)					
1028312	12	0.547 13.9	116	214	S2121	1028634	4	1.087 27.6	645	966	S2136
1028318	18	0.665 16.9	174	325	S2121						
1028325	25	0.791 20.1	242	451	S2129						
1028334	34	0.909 23.1	329	612	S2129						

* 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.