

ÖLFLEX® CHAIN 896 P

High-acceleration continuous flex power & control cable with PUR jacket



ÖLFLEX® CHAIN 896 P is specially designed, manufactured, and tested by LAPP for usage in modern high-acceleration cable track applications as well as long travel lengths. For bending cycles and operation parameters, see www.lappusa.com/cf-rating

Recommended applications

Factory automation; industrial machinery; cable tracks used in assembly & pick and place machinery; machine tools; transfer lines

Approvals



Cable attributes		page 648	
OIL	OR-05	FLAME	FR-02
MOTION	CF-04A	MECH.	MP-05

Complete the installation	
SKINTOP® strain relief page 492	EPIC® connectors page 284

ÖLFLEX® CONNECT solution	
ÖLFLEX® CONNECT CHAIN page 617	

Technical data

<p> Minimum bend radius:</p> <ul style="list-style-type: none"> - for continuous flexing: <ul style="list-style-type: none"> - up to 6 AWG: 7.5 x cable diameter - 4 AWG: 10 x cable diameter - for stationary use: 4 x cable diameter <p> Temperature range:</p> <ul style="list-style-type: none"> - for continuous flexing: -40°C to +80°C - for stationary use: -50°C to +80°C <p> Nominal voltage:</p> <ul style="list-style-type: none"> - UL/CSA: 1000V - IEC U₀/U: 600/1000V 	<p> Test voltage: 4000V</p> <p> Conductor stranding: Class 6 super fine wire</p> <p> Color code: black with white numbers, plus green/yellow ground</p> <p> Approvals:</p> <ul style="list-style-type: none"> UL: AWM 20234 Attributes: NFPA 79 Canada: cRU AWM FT1 CSA AWM I/II A Additional: VDE Reg. no 8661 CE & RoHS MUD acc. to IEC 61892-4 Annex D
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Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
16 AWG (1.5 mm²)						
1023229	4	0.378	9.6	39	81	S2113
1023230	5	0.394	10.0	48	96	S2113
14 AWG (2.5 mm²)						
1023238	4	0.433	11.0	65	117	S2113
1023239	5	0.473	12.0	81	141	S2116
12 AWG (4 mm²)						
1023245	4	0.493	12.5	103	163	S2116
1023246	5	0.540	13.7	129	212	S2121
10 AWG (6 mm²)						
1023248	4	0.563	14.3	155	225	S2121
1023249	5	0.619	15.7	194	295	S2121

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
8 AWG (10 mm²)						
1023250	4	0.670	17.0	258	338	S2121
1023251	5	0.745	18.9	323	446	S2129
6 AWG (16 mm²)						
1023252	4	0.835	21.2	413	544	S2129
1023253	5	0.938	23.8	516	716	S2129
4 AWG (25 mm²)						
1023254	4	1.020	25.9	645	843	S2136
1023255	5	1.143	29.0	806	1063	S2136

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.