

Lapp Group North America



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"Flip" Catalogs:

ÖLFLEX®

Flexible Control Cable • Flexible UL/CSA PUR or TPE Control Cable

ÖLFLEX® 490 CP

Highly Abrasion-Resistant Control Cable with PUR Jacket & UL/CSA AWM

LAPP KABEL STUTTGART ÖLFLEX® 490 CP



ÖLFLEX® 490 P is a flexible control cable with a rugged, highly abrasion-resistant polyurethane jacket. It is UV-resistant and performs very well in mineral oils, cutting oils, and areas with high mechanical abuse. ÖLFLEX® 490 CP is the shielded version, with an overall foil tape with drain wire and tinned copper braid for EMI and RFI protection.

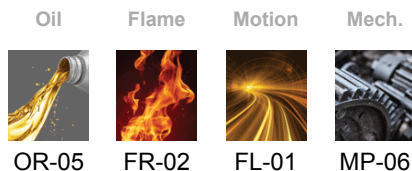
Recommended Applications

Machine tool equipment; handheld controls; submersible applications; any areas where the cable can be cut and damaged by sharp objects

Approvals



Cable Attributes



Similar Cable

- ÖLFLEX® 590 CP
- ÖLFLEX® 190 CY

Complete the Installation



SKINTOP® Strain Relief



EPIC® Connectors

Technical Data



Minimum Bend Radius

- for installation: 4 x cable diameter
- shielded: 6 x cable diameter



Color Code

Black with white numbers,
plus green/yellow ground



Approvals

UL: AWM 20234

**Temperature Range**

- for flexible use: -10°C to +80°C
- for stationary use: -20°C to +80°C

Attributes: UL Oil Res I/II
Sunlight resistant
NFPA 79 2012

Canada: CSA AWM 1/11 A/B FT1

Additional: CE & RoHS

**Nominal Voltage:**

600V

**Test Voltage**

2000V

**Conductor Stranding**

Class 5 fine wire*

* 18 AWG meets only the Class 5 cross section and DC resistance

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
		(in)	(mm)			
20 AWG (0.50 mm²)						
402002CP*	2	0.270	6.9	19	46	53112210
402003CP	3	0.281	7.1	24	55	53112220
402004CP	4	0.299	7.6	27	66	53112220
402005CP	5	0.318	8.1	33	73	53112220
402007CP	7	0.338	8.6	40	84	53112220
402009CP	9	0.380	9.7	53	104	53112230
402012CP	12	0.426	10.8	69	117	53112230
402018CP	18	0.490	12.4	90	163	53112240
402025CP	25	0.565	14.4	119	214	53112250
18 AWG (1.00 mm²)						
401802CP*	2	0.294	7.5	28	62	53112220
401803CP	3	0.306	7.8	35	71	53112220
401804CP	4	0.328	8.3	44	82	53112220
401805CP	5	0.350	8.9	51	95	53112220
401807CP	7	0.374	9.5	70	117	53112230
401809CP	9	0.424	10.8	89	139	53112230
401812CP	12	0.473	12.0	110	176	53112240
401818CP	18	0.540	13.7	155	240	53112250
401825CP	25	0.609	15.5	218	311	53112250
16 AWG (1.50 mm²)						
401602CP*	2	0.320	8.1	43	73	53112220
401603CP	3	0.335	8.5	50	82	53112220
401604CP	4	0.358	9.1	60	97	53112220
401605CP	5	0.385	9.8	76	112	53112230
401607CP	7	0.413	10.5	98	137	53112230
401609CP	9	0.477	12.1	122	170	53112240
401612CP	12	0.527	13.4	156	216	53112240
401618CP	18	0.605	15.4	231	295	53112250
401625CP	25	0.685	17.4	307	384	53112260
14 AWG (2.50 mm²)						
401402CP*	2	0.354	9.0	56	84	53112220
401403CP	3	0.372	9.4	76	101	53112230
401404CP	4	0.399	10.1	96	123	53112230
401405CP	5	0.431	10.9	116	145	53112230
401407CP	7	0.470	11.9	149	183	53112240
401409CP	9	0.538	13.7	188	225	53112250
401412CP	12	0.598	15.2	242	287	53112250
401418CP	18	0.690	17.5	359	390	53112260
401425CP	25	0.785	19.9	479	558	53112260

* 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. If not otherwise specified, all values relating to the product are nominal values.

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