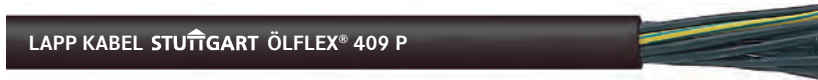


# ÖLFLEX® 409 P

Oil and abrasion-resistant control cable with PUR jacket & UL/CSA AWM



ÖLFLEX® 409 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. The innovative functional layer allows for easier stripping of the cable jacket compared to other PUR cables.

## Recommended applications

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

## Approvals



Cable attributes		page 648	
OIL	OR-05	FLAME	FR-02
MOTION	FL-02	MECH.	MP-05

## Construction

**Conductors:** finely stranded bare copper

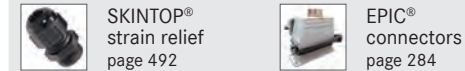
**Insulation:** specially formulated PVC

**Jacket:** specially formulated polyurethane with gap-filling functional layer; black

## Application advantage

- Rugged PUR jacket to resist cuts, nicks, and abrasion
- UL & CSA AWM approved
- Extremely oil and chemical resistant
- Able to be dragged on the floor with minimal damage
- Improved ease of jacket stripping compared to other PUR cables

## Complete the installation



## Technical data

<p> <b>Minimum bend radius:</b>                  - for installation: 4 x cable diameter                  - for flexible use: 12.5 x cable diameter</p> <p> <b>Temperature range:</b>                  - for stationary use: -40°C to +80°C                  - for flexible use: -5°C to +80°C</p> <p> <b>Nominal voltage:</b>                  - UL/CSA: 1000V                  - U<sub>0</sub>/U: 300/500V</p>	<p> <b>Test voltage:</b> 4000V</p> <p> <b>Conductor stranding:</b> Class 5 fine wire</p> <p> <b>Color code:</b> black with white numbers, plus green/yellow ground</p> <p> <b>Approvals:</b>                  UL: AWM 20234                  Attributes: VW-1                  NFPA 79                  Canada: cRU AWM I/II AB FT 1                  Additional: CE &amp; RoHS</p>
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ÖLFLEX® 409 P

Part number	Number of conductors incl. ground*	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
<b>19 AWG (0.75 mm<sup>2</sup>)</b>						
1311852	2	0.272	6.9	10	41	S2111
1311103	3	0.283	7.2	15	48	S2111
1311104	4	0.303	7.7	19	56	S2111
1311105	5	0.327	8.3	24	67	S2111
1311107	7	0.350	8.9	34	82	S2111
1311110	10	0.425	10.8	48	121	S2113
1311112	12	0.437	11.1	58	133	S2113
1311118	18	0.504	12.8	87	185	S2116
1311125	25	0.571	14.5	121	245	S2121
<b>18 AWG (1 mm<sup>2</sup>)</b>						
1311902	2	0.283	7.2	13	46	S2111
1311203	3	0.295	7.5	19	54	S2111
1311204	4	0.315	8.0	26	65	S2111
1311205	5	0.343	8.7	32	79	S2111
1311207	7	0.366	9.3	45	95	S2111
1311210	10	0.449	11.4	65	142	S2113
1311212	12	0.461	11.7	77	157	S2116
1311218	18	0.531	13.5	116	220	S2121
1311225	25	0.606	15.4	161	294	S2121
<b>16 AWG (1.5 mm<sup>2</sup>)</b>						
1311952	2	0.307	7.8	19	58	S2111
1311303	3	0.323	8.2	29	70	S2111
1311304	4	0.346	8.8	39	85	S2111

Part number	Number of conductors incl. ground*	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
<b>16 AWG (1.5 mm<sup>2</sup>)</b>						
1311305	5	0.374	9.5	48	101	S2111
1311307	7	0.402	10.2	68	126	S2113
1311312	12	0.512	13.0	116	211	S2116
1311318	18	0.591	15.0	174	296	S2121
1311325	25	0.677	17.2	242	401	S2121
<b>14 AWG (2.5 mm<sup>2</sup>)</b>						
1311403	3	0.374	9.5	48	101	S2111
1311404	4	0.402	10.2	65	124	S2113
1311405	5	0.437	11.1	81	151	S2113
1311407	7	0.472	12.0	113	190	S2116
1311412	12	0.610	15.5	194	323	S2121
<b>12 AWG (4 mm<sup>2</sup>)</b>						
1311504	4	0.465	11.8	103	179	S2116
1311505	5	0.508	12.9	129	218	S2116
<b>10 AWG (6 mm<sup>2</sup>)</b>						
1311604	4	0.516	13.1	155	241	S2116
1311605	5	0.563	14.3	194	294	S2121
<b>8 AWG (10 mm<sup>2</sup>)</b>						
1311704	4	0.650	16.5	258	393	S2121
1311705	5	0.717	18.2	323	485	S2129
<b>6 AWG (16 mm<sup>2</sup>)</b>						
1311804	4	0.752	19.1	413	579	S2129
1311805	5	0.870	22.1	516	744	S2129

\* 2c cable does not include ground



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