

SPIRAL CABLE

Quick Select Chart

ÖLFLEX® SPIRAL 400 P

Retractable Control Cable with PUR Jacket

ÖLFLEX® SPIRAL 540 P

Retractable Power Supply Cable with Safety Yellow PUR Jacket

UNITRONIC® SPIRAL

Retractable Shielded Data Cable with PUR Jacket

SPIRAL H07BQ-F BLACK

Retractable Power Supply Cable with PUR Jacket

ÖLFLEX® Special Design Custom Coil Cords

Non-Standard Quotation Inquiry Form

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ÖLFLEX®

Spiral Cable



Quick Select Chart

Product	Jacket Material	AWG Range	Temperature Range	Nominal Voltage Rating	Extension Capability	Page
ÖLFLEX® SPIRAL 400 P	PUR	18 - 14 AWG	+5°C to +50°C	300/500V	3 x	147
ÖLFLEX® SPIRAL 540 P	PUR	18 - 14 AWG	-30°C to +50°C	18 AWG: 300/500V 16 - 14 AWG: 450/750V	3.5 x	149
UNITRONIC® SPIRAL	PUR	26 AWG	-5°C to +50°C	250V (not for power)	4 x	151
SPIRAL H07BQ-F BLACK	PUR	16 AWG	-25°C to +50°C	450/750V	3 x	153

ÖLFLEX® SPIRAL 400 P

Retractable Control Cable with PUR Jacket



ÖLFLEX® SPIRAL 400 P is a retractable multi-conductor control cable with a rugged abrasion-resistant polyurethane jacket and an extension capability of up to 3 times its retracted length.

Recommended Applications

Machine tool manufacturing; cranes and hoists

Application Advantage

- Excellent resistance to mineral oils and cutting fluids
- Highly resistant to mechanical abuse typically found in industrial applications
- Special spiral designs are available, see page 154

Approvals



Cable Attributes, see page 659

	OR-05		FR-02		FL-02		MP-05
OIL		FLAME		MOTION		MECHANICAL	

Complete the Installation

	SKINTOP® Strain Relief: page 502		EPIC® Connectors: page 278
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Technical Data

	Length & Type of Tails:	8 in (200 mm), tangent 24 in (600 mm), tangent		Conductor Stranding:	Class 5 fine wire
	Temperature Range:	+5°C to +50°C		Color Code:	Black with white numbers, plus green/yellow ground
	Nominal Voltage:	300/500V		Approvals:	CE & RoHS
	Test Voltage:	3000V			

Photographs are not to scale and are not true representations of the products in question.
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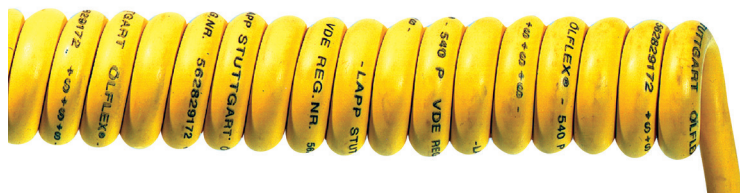
ÖLFLEX® SPIRAL 400 P

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Nominal Spiral Outer Diameter (inches) (mm)		Spiral Length Extended (inches) (mm)		Spiral Length Retracted (inches) (mm)		Copper Weight (lbs/ 100 pcs.)	Approx. Weight (lbs/ 100 pc.)	SKINTOP® Non-Metallic PG Thread
18 AWG (1.00 mm²)												
70002646	2	0.224	5.7	0.788	20	59	1500	20	500	20	48	S1107
70002647	2	0.224	5.7	0.788	20	118	3000	39	1000	36	88	S1107
70002648	2	0.224	5.7	0.788	20	177	4500	59	1500	51	121	S1107
70002649	2	0.224	5.7	0.788	20	236	6000	79	2000	61	158	S1107
70002651	3	0.236	6.0	0.827	21	59	1500	20	500	29	58	S1107
70002652	3	0.236	6.0	0.827	21	118	3000	39	1000	54	109	S1107
70002653	3	0.236	6.0	0.827	21	177	4500	59	1500	78	156	S1107
70002654	3	0.236	6.0	0.827	21	236	6000	79	2000	93	196	S1107
70002656	4	0.256	6.5	0.946	24	59	1500	20	500	39	76	S1109
70002657	4	0.256	6.5	0.946	24	118	3000	39	1000	72	134	S1109
70002658	4	0.256	6.5	0.946	24	177	4500	59	1500	111	190	S1109
70002659	4	0.256	6.5	0.946	24	236	6000	79	2000	130	257	S1109
70002661	5	0.280	7.1	0.985	25	59	1500	20	500	49	84	S1111
70002662	5	0.280	7.1	0.985	25	118	3000	39	1000	90	145	S1111
70002663	5	0.280	7.1	0.985	25	177	4500	59	1500	133	212	S1111
70002664	5	0.280	7.1	0.985	25	236	6000	79	2000	165	301	S1111
70002666	7	0.315	8.0	1.182	30	49	1250	20	500	73	119	S1111
70002667	7	0.315	8.0	1.182	30	98	2500	39	1000	125	213	S1111
70002668	7	0.315	8.0	1.182	30	148	3750	59	1500	170	320	S1111
70002669	7	0.315	8.0	1.182	30	197	5000	79	2000	260	408	S1111
16 AWG (1.50 mm²)												
70002681	2	0.248	6.3	0.906	23	59	1500	20	500	32	65	S1109
70002682	2	0.248	6.3	0.906	23	118	3000	39	1000	59	119	S1109
70002683	2	0.248	6.3	0.906	23	177	4500	59	1500	84	165	S1109
70002684	2	0.248	6.3	0.906	23	236	6000	79	2000	109	229	S1109
70002687	3	0.264	6.7	0.946	24	59	1500	20	500	47	82	S1109
70002688	3	0.264	6.7	0.946	24	118	3000	39	1000	81	143	S1109
70002689	3	0.264	6.7	0.946	24	177	4500	59	1500	110	207	S1109
70002690	3	0.264	6.7	0.946	24	236	6000	79	2000	147	280	S1109
70002699	5	0.319	8.1	1.182	30	49	1250	20	500	75	119	S1111
70002700	5	0.319	8.1	1.182	30	98	2500	39	1000	132	213	S1111
70002701	5	0.319	8.1	1.182	30	148	3750	59	1500	191	311	S1111
70002702	5	0.319	8.1	1.182	30	197	5000	79	2000	259	432	S1111
70002705	7	0.350	8.9	1.221	31	49	1250	20	500	101	143	S1111
70002706	7	0.351	8.9	1.221	31	98	2500	39	1000	179	253	S1111
70002707	7	0.350	8.9	1.221	31	148	3750	59	1500	245	394	S1111
70002708	7	0.350	8.9	1.221	31	197	5000	79	2000	332	489	S1111
14 AWG (2.50 mm²)												
70002716	3	0.319	8.1	1.123	29	49	1250	20	500	75	120	S1111
70002717	3	0.319	8.1	1.123	29	98	2500	39	1000	142	264	S1111
70002718	3	0.319	8.1	1.123	29	148	3750	59	1500	196	322	S1111
70002719	3	0.319	8.1	1.123	29	197	5000	79	2000	237	429	S1111
70002721	5	0.394	10.0	1.458	37	49	1250	20	500	138	202	S1113
70002722	5	0.394	10.0	1.458	37	98	2500	39	1000	236	364	S1113
70002723	5	0.394	10.0	1.458	37	148	3750	59	1500	329	540	S1113
70002724	5	0.394	10.0	1.458	37	197	5000	79	2000	437	681	S1113

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.

ÖLFLEX® SPIRAL 540 P

Retractable Power Supply Cable with Safety Yellow PUR Jacket



ÖLFLEX® SPIRAL 540 P is a multi-conductor, TPE-insulated, retractable power supply cable with a yellow polyurethane outer jacket. It may be used both indoors and outdoors in wet, dry, or hot conditions. The cable has an extension capability of up to 3.5 times its retracted length.

Recommended Applications

Power supply for machine tools, cranes, and hoists

Approvals



Cable Attributes, see page 659			
 OR-05	 FR-02	 FL-02	 MP-05
OIL	FLAME	MOTION	MECHANICAL

Complete the Installation



SKINTOP®
Strain Relief:
page 502



EPIC®
Connectors:
page 278

Technical Data

 Length & Type of Tails:	8 in (200 mm), tangent 24 in (600 mm), tangent
 Temperature Range:	-30°C to +50°C
 Nominal Voltage:	
- 18 AWG:	300/500V
- 16 - 14 AWG:	450/750V
 Test Voltage:	3000V

 Conductor Stranding:	Class 5 fine wire
 Color Code:	
- 2 to 5c:	VDE 0293-308: Chart 6, page 696
- 7c:	Black with white numbers and green/ yellow ground
 Approvals:	CE & RoHS

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ÖLFLEX® SPIRAL 540 P

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Nominal Spiral Outer Diameter (inches) (mm)		Spiral Length Extended (inches) (mm)		Spiral Length Retracted (inches) (mm)		Copper Weight (lbs/100 pcs.)	Approx. Weight (lbs/100 pcs.)	SKINTOP® Non-Metallic PG Thread
18 AWG (1.00 mm²)												
73220123	2	0.276	7.0	0.946	24	39	1000	12	300	14	38	S2111
73220124	2	0.276	7.0	0.946	24	79	2000	24	600	23	60	S2111
73220125	2	0.276	7.0	0.946	24	138	3500	39	1000	35	92	S2111
73220126	2	0.276	7.0	0.946	24	197	5000	59	1500	49	138	S2111
73220127	3	0.292	7.4	1.143	29	39	1000	12	300	24	54	S2111
73220128	3	0.292	7.4	1.143	29	79	2000	24	600	41	91	S2111
73220129	3	0.292	7.4	1.143	29	138	3500	39	1000	61	142	S2111
73220130	3	0.292	7.4	1.143	29	197	5000	59	1500	87	210	S2111
71220131	4	0.323	8.2	1.182	30	39	1000	12	300	30	63	S2111
71220132	4	0.323	8.2	1.182	30	79	2000	24	600	50	97	S2111
71220133	4	0.323	8.2	1.182	30	138	3500	39	1000	78	155	S2111
71220134	4	0.323	8.2	1.182	30	197	5000	59	1500	109	232	S2111
71220135	5	0.355	9.0	1.261	32	39	1000	12	300	36	70	S2111
71220136	5	0.355	9.0	1.261	32	79	2000	24	600	60	115	S2111
71220137	5	0.355	9.0	1.261	32	138	3500	39	1000	93	187	S2111
71220138	5	0.355	9.0	1.261	32	197	5000	59	1500	123	262	S2111
73220139	7	0.430	10.9	1.576	40	39	1000	14	350	53	114	S2113
73220140	7	0.430	10.9	1.576	40	79	2000	28	700	96	209	S2113
73220141	7	0.430	10.9	1.576	40	138	3500	47	1200	155	340	S2113
73220142	7	0.430	10.9	1.576	40	197	5000	67	1700	203	425	S2113
16 AWG (1.50 mm²)												
73220143	2	0.331	8.4	1.221	31	39	1000	12	300	23	62	S2111
73220144	2	0.331	8.4	1.221	31	79	2000	24	600	38	101	S2111
73220145	2	0.331	8.4	1.221	31	138	3500	39	1000	58	163	S2111
73220146	2	0.331	8.4	1.221	31	197	5000	59	1500	84	239	S2111
73220147	3	0.351	8.9	1.261	32	39	1000	12	300	33	69	S2111
73220148	3	0.351	8.9	1.261	32	79	2000	24	600	52	116	S2111
73220149	3	0.351	8.9	1.261	32	138	3500	39	1000	81	183	S2111
73220150	3	0.351	8.9	1.261	32	197	5000	59	1500	114	263	S2111
71220151	5	0.430	10.9	1.576	40	39	1000	14	350	63	120	S2113
71220152	5	0.430	10.9	1.576	40	79	2000	28	700	99	205	S2113
71220153	5	0.430	10.9	1.576	40	138	3500	47	1200	172	336	S2113
71220154	5	0.430	10.9	1.576	40	197	5000	67	1700	237	447	S2113
73220155	7	0.532	13.5	2.049	52	39	1000	14	350	85	185	S2121
73220156	7	0.532	13.5	2.049	52	79	2000	28	700	150	325	S2121
73220157	7	0.532	13.5	2.049	52	138	3500	47	1200	255	543	S2121
73220158	7	0.532	13.5	2.049	52	197	5000	67	1700	351	786	S2121
14 AWG (2.50 mm²)												
73220159	3	0.418	10.6	1.576	40	39	1000	14	350	61	118	S2113
73220160	3	0.418	10.6	1.576	40	79	2000	28	700	102	201	S2113
73220161	3	0.418	10.6	1.576	40	138	3500	47	1200	170	345	S2113
73220162	3	0.418	10.6	1.576	40	197	5000	67	1700	226	486	S2113
71220163	5	0.528	13.4	2.009	51	39	1000	14	350	110	187	S2116
71220164	5	0.528	13.4	2.009	51	79	2000	28	700	192	335	S2116
71220165	5	0.528	13.4	2.009	51	138	3500	47	1200	305	553	S2116
71220166	5	0.528	13.4	2.009	51	197	5000	67	1700	416	744	S2116

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UNITRONIC® SPIRAL

Retractable Shielded Data Cable with PUR Jacket



UNITRONIC® SPIRAL is a shielded multi-conductor signal and data cable designed to extend 4 times its retracted length. With a polyurethane outer jacket, UNITRONIC® SPIRAL is robust for heavier duty applications.

Shielded Construction

Conductors: Finely stranded bare copper

Insulation: PVC; dry lubricant

Shielding: Copper spiral shield

Jacket: Specially formulated black polyurethane

Recommended Applications

Computers; data transmission; office equipment; process, control, and instrumentation applications

Application Advantage

- Overall shield prevents interference for accurate pulse transmission
- Highly flexible
- Excellent for confined areas where installation is tight
- Polyurethane jacket for extra ruggedness

Approvals



Cable Attributes, see page 659

 OR-05	 FR-02	 FL-02	 MP-01
OIL	FLAME	MOTION	MECHANICAL

Complete the Installation

	SKINTOP® Strain Relief: page 502		EPIC® Connectors: page 278
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Technical Data

 Length & Type of Tails:	8 in (200 mm), tangent 24 in (600 mm), tangent	 Conductor Stranding:	Class 6 fine wire
 Temperature Range:	-5°C to +50°C	 Color Code:	DIN 47100: Chart 8, page 697
 Nominal Voltage:	250V (not for power applications)	 Approvals:	Based on VDE specifications RoHS
 Test Voltage:	1200V		

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For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

UNITRONIC® SPIRAL

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Nominal Spiral Outer Diameter (inches) (mm)		Spiral Length Extended (inches) (mm)		Spiral Length Retracted (inches) (mm)		Copper Weight (lbs/100 pcs.)	Approx. Weight (lbs/100 pcs.)	SKINTOP® Non-Metallic PG Thread
26 AWG (0.14 mm²)												
73220200	2	0.157	4.0	0.591	15	16	400	4	100	4	7	S2107
73220201	2	0.157	4.0	0.591	15	32	800	8	200	6	10	S2107
73220202	2	0.157	4.0	0.591	15	47	1200	12	300	7	15	S2107
73220203	2	0.157	4.0	0.591	15	63	1600	16	400	9	19	S2107
73220204	2	0.157	4.0	0.591	15	79	2000	20	500	11	22	S2107
73220205	3	0.165	4.2	0.709	18	16	400	4	100	5	10	S2107
73220206	3	0.165	4.2	0.709	18	32	800	8	200	7	14	S2107
73220207	3	0.165	4.2	0.709	18	47	1200	12	300	10	19	S2107
73220208	3	0.165	4.2	0.709	18	63	1600	16	400	13	27	S2107
73220209	3	0.165	4.2	0.709	18	79	2000	20	500	15	31	S2107
73220210	4	0.173	4.4	0.748	19	16	400	4	100	6	11	S2107
73220211	4	0.173	4.4	0.748	19	32	800	8	200	8	16	S2107
73220212	4	0.173	4.4	0.748	19	47	1200	12	300	11	21	S2107
73220213	4	0.173	4.4	0.748	19	63	1600	16	400	13	27	S2107
73220214	4	0.173	4.4	0.748	19	79	2000	20	500	15	32	S2107
73220215	5	0.201	5.1	0.787	20	16	400	4	100	6	13	S2107
73220216	5	0.201	5.1	0.787	20	32	800	8	200	9	20	S2107
73220217	5	0.201	5.1	0.787	20	47	1200	12	300	12	26	S2107
73220218	5	0.201	5.1	0.787	20	63	1600	16	400	14	32	S2107
73220219	5	0.201	5.1	0.787	20	79	2000	20	500	16	37	S2107
73220220	6	0.213	5.4	0.827	21	16	400	4	100	7	15	S2107
73220221	6	0.213	5.4	0.827	21	32	800	8	200	10	21	S2107
73220222	6	0.213	5.4	0.827	21	47	1200	12	300	13	28	S2107
73220223	6	0.213	5.4	0.827	21	63	1600	16	400	18	34	S2107
73220224	6	0.213	5.4	0.827	21	79	2000	20	500	17	47	S2107
73220230	12	0.276	7.0	1.063	27	16	400	4	100	13	26	S2111
73220231	12	0.276	7.0	1.063	27	32	800	8	200	21	39	S2111
73220232	12	0.276	7.0	1.063	27	47	1200	12	300	27	52	S2111
73220233	12	0.276	7.0	1.063	27	63	1600	16	400	36	66	S2111
73220234	12	0.276	7.0	1.063	27	79	2000	20	500	40	78	S2111
73220235	18	0.307	7.8	1.142	27	16	400	4	100	17	33	S2111
73220236	18	0.307	7.8	1.142	27	32	800	8	200	25	47	S2111
73220237	18	0.307	7.8	1.142	27	47	1200	12	300	34	63	S2111
73220238	18	0.307	7.8	1.142	27	63	1600	16	400	44	81	S2111
73220239	18	0.307	7.8	1.142	27	79	2000	20	500	49	93	S2111

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.

SPIRAL H07BQ-F BLACK

Retractable Power Supply Cable with PUR Jacket



SPIRAL H07BQ-F BLACK is a multi-conductor, rubber-insulated, retractable flexible power supply cable with a rugged black polyurethane jacket. It may be used in damp and wet environments, but not submerged.

Recommended Applications

Power supply for machine tools, hand tools, cranes, and hoists

Approvals



Construction

Conductors: Finely stranded tinned copper

Insulation: Synthetic rubber; dry lubricant

Jacket: Specially formulated black polyurethane

Application Advantage

- Resistant to oils, greases, and chemicals
- Weather resistant
- Resistant to mechanical stress
- Special spiral designs are available, see page 154

Cable Attributes, see page 659

 OR-05	 FR-02	 FL-02	 MP-05
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- ÖLFLEX® SPIRAL 400 P
- ÖLFLEX® SPIRAL 540 P

Complete the Installation

	SKINTOP® Strain Relief: page 502		EPIC® Connectors: page 278
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Technical Data

 Length & Type of Tails:	8 in (200 mm), tangent 24 in (600 mm), tangent	 Conductor Stranding:	Class 5 fine wire
 Minimum Bend Radius:	12.5 x cable diameter	 Color Code:	VDE 0293-308: Chart 6, page 696
 Temperature Range:	-25°C to +50°C	 Approvals:	CE & RoHS <HAR> H07BQ-F* Based on VDE 0282-10
 Nominal Voltage:	450/750V		
 Test Voltage:	3000V		

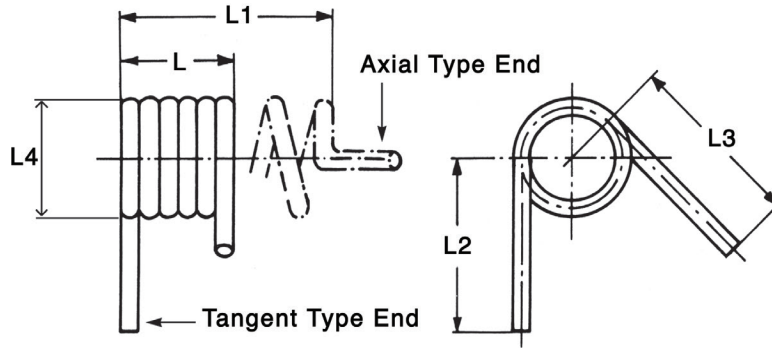
Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Nominal Spiral Outer Diameter (inches)	Nominal Spiral Outer Diameter (mm)	Spiral Length Extended (inches)	Spiral Length Extended (mm)	Spiral Length Retracted (inches)	Spiral Length Retracted (mm)	Copper Weight (lbs/100 pc.)	Approx. Weight (lbs/100 pc.)	SKINTOP® Non-Metallic PG Thread
16 AWG (1.5 mm²)												
70002750	3	0.355	9.0	1.220	31	59	1500	20	500	46	128	S2111
70002751	3	0.355	9.0	1.220	31	118	3000	39	1000	82	231	S2111
70002752	3	0.355	9.0	1.220	31	177	4500	59	1500	119	266	S2111
70002753	3	0.355	9.0	1.220	31	236	6000	79	2000	155	435	S2111
70002754	4	0.394	10.0	1.496	38	59	1500	20	500	68	182	S2113
70002755	4	0.394	10.0	1.496	38	118	3000	39	1000	121	265	S2113
70002756	4	0.394	10.0	1.496	38	177	4500	59	1500	174	466	S2113
70002757	4	0.394	10.0	1.496	38	236	6000	79	2000	228	485	S2113
70002758	5	0.433	11.0	1.575	40	59	1500	20	500	81	167	S2113
70002759	5	0.433	11.0	1.575	40	118	3000	39	1000	145	309	S2113
70002760	5	0.433	11.0	1.575	40	177	4500	59	1500	207	411	S2113
70002761	5	0.433	11.0	1.575	40	236	6000	79	2000	272	722	S2113

*Applicable to the cable only.

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.

ÖLFLEX® Special Design Custom Coil Cords

Non-Standard Quotation Inquiry Form



Fax to (973) 660-9330

ÖLFLEX® Cable Type:

☐

400 P

☐

490 P

☐

590 P

Cable Part Number: _____

Description: _____

Retracted Length (L): _____

in

Extended Length (L1): _____

in

Tail Length (L2): _____

in

Tail Length (L3): _____

in

Tail Type:

☐

Tangent

☐

Axial

Spiral Outer Diameter (L4): _____

No. of Pieces: _____

Contact Name: _____

Company Name: _____

Phone: _____