

# 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.

## Recommended applications

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

## Approvals



## Construction

**Conductors:** finely stranded bare copper

**Insulation:** PVC; dry lubricant

**Shielding:** copper spiral shield

**Jacket:** specially formulated polyurethane; black

## 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
- Special spiral designs are available, see page 151

### Cable attributes page 648

OIL	OR-05	FLAME	FR-02
MOTION	FL-02	MECH.	MP-01

### Complete the installation



SKINTOP® strain relief  
page 492



EPIC® connectors  
page 284

## Technical data

<b>Length &amp; type of tails:</b>	8 in (200 mm), tangential 24 in (600 mm), tangential	<b>Conductor stranding:</b>	Class 6 fine wire
<b>Temperature range:</b>	-5°C to +50°C	<b>Color code:</b>	DIN 47100: chart 8, page 682
<b>Nominal voltage:</b>	250V (not for power applications)	<b>Approvals:</b>	based on VDE specifications RoHS
<b>Test voltage:</b>	1200V		

Part number	Number of conductors incl. ground	Nominal outer diameter		Nominal spiral outer diameter		Extended spiral length		Retracted spiral length		SKINTOP® SL PG thread
		in	mm	in	mm	in	mm	in	mm	
<b>26 AWG (0.14 mm²)</b>										
73220200	2	0.162	4.1	0.591	15	16	400	4	100	S2107
73220201	2	0.162	4.1	0.591	15	32	800	8	200	S2107
73220202	2	0.162	4.1	0.591	15	47	1200	12	300	S2107
73220203	2	0.162	4.1	0.591	15	63	1600	16	400	S2107
73220204	2	0.162	4.1	0.591	15	79	2000	20	500	S2107
73220205	3	0.169	4.3	0.709	18	16	400	4	100	S2107
73220206	3	0.169	4.3	0.709	18	32	800	8	200	S2107
73220207	3	0.169	4.3	0.709	18	47	1200	12	300	S2107
73220208	3	0.169	4.3	0.709	18	63	1600	16	400	S2107
73220209	3	0.169	4.3	0.709	18	79	2000	20	500	S2107
73220210	4	0.177	4.5	0.748	19	16	400	4	100	S2107
73220211	4	0.177	4.5	0.748	19	32	800	8	200	S2107

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.

UNITRONIC® SPIRAL

Part number	Number of conductors incl. ground	Nominal outer diameter		Nominal spiral outer diameter		Extended spiral length		Retracted spiral length		SKINTOP® SL PG thread
		in	mm	in	mm	in	mm	in	mm	
73220212	4	0.177	4.5	0.748	19	47	1200	12	300	S2107
73220213	4	0.177	4.5	0.748	19	63	1600	16	400	S2107
73220214	4	0.177	4.5	0.748	19	79	2000	20	500	S2107
73220215	5	0.189	4.8	0.787	20	16	400	4	100	S2107
73220216	5	0.189	4.8	0.787	20	32	800	8	200	S2107
73220217	5	0.189	4.8	0.787	20	47	1200	12	300	S2107
73220218	5	0.189	4.8	0.787	20	63	1600	16	400	S2107
73220219	5	0.189	4.8	0.787	20	79	2000	20	500	S2107
73220220	6	0.217	5.5	0.827	21	16	400	4	100	S2109
73220221	6	0.217	5.5	0.827	21	32	800	8	200	S2109
73220222	6	0.217	5.5	0.827	21	47	1200	12	300	S2109
73220223	6	0.217	5.5	0.827	21	63	1600	16	400	S2109
73220224	6	0.217	5.5	0.827	21	79	2000	20	500	S2109
73220225	7	0.232	5.9	0.906	23	16	400	4	100	S2109
73220226	7	0.232	5.9	0.906	23	31	800	8	200	S2109
73220227	7	0.232	5.9	0.906	23	47	1200	12	300	S2109
73220228	7	0.232	5.9	0.906	23	63	1600	16	400	S2109
73220229	7	0.232	5.9	0.906	23	79	2000	20	500	S2109
73220230	12	0.284	7.2	1.063	27	16	400	4	100	S2111
73220231	12	0.284	7.2	1.063	27	32	800	8	200	S2111
73220232	12	0.284	7.2	1.063	27	47	1200	12	300	S2111
73220233	12	0.284	7.2	1.063	27	63	1600	16	400	S2111
73220234	12	0.284	7.2	1.063	27	79	2000	20	500	S2111
73220235	18	0.315	8.0	1.142	29	16	400	4	100	S2111
73220236	18	0.315	8.0	1.142	29	32	800	8	200	S2111
73220237	18	0.315	8.0	1.142	29	47	1200	12	300	S2111
73220238	18	0.315	8.0	1.142	29	63	1600	16	400	S2111
73220239	18	0.315	8.0	1.142	29	79	2000	20	500	S2111
<b>24 AWG (0.25 mm²)</b>										
73220240	2	0.185	4.7	0.709	18	16	400	4	100	S2107
73220241	2	0.185	4.7	0.709	18	31	800	8	200	S2107
73220242	2	0.185	4.7	0.709	18	47	1200	12	300	S2107
73220243	2	0.185	4.7	0.709	18	63	1600	16	400	S2107
73220244	2	0.185	4.7	0.709	18	79	2000	20	500	S2107
73220245	3	0.209	5.3	0.748	19	16	400	4	100	S2109
73220246	3	0.209	5.3	0.748	19	31	800	8	200	S2109
73220247	3	0.209	5.3	0.748	19	47	1200	12	300	S2109
73220248	3	0.209	5.3	0.748	19	63	1600	16	400	S2109
73220249	3	0.209	5.3	0.748	19	79	2000	20	500	S2109
73220250	4	0.220	5.6	0.787	20	16	400	4	100	S2109
73220251	4	0.220	5.6	0.787	20	31	800	8	200	S2109
73220252	4	0.220	5.6	0.787	20	47	1200	12	300	S2109
73220253	4	0.220	5.6	0.787	20	63	1600	16	400	S2109
73220254	4	0.220	5.6	0.787	20	79	2000	20	500	S2109
73220255	5	0.236	6	0.827	21	16	400	4	100	S2109
73220256	5	0.236	6	0.827	21	31	800	8	200	S2109
73220257	5	0.236	6	0.827	21	47	1200	12	300	S2109
73220258	5	0.236	6	0.827	21	63	1600	16	400	S2109
73220259	5	0.236	6	0.827	21	79	2000	20	500	S2109
73220260	6	0.268	6.8	0.984	25	16	400	4	100	S2111
73220261	6	0.268	6.8	0.984	25	31	800	8	200	S2111
73220262	6	0.268	6.8	0.984	25	47	1200	12	300	S2111
73220263	6	0.268	6.8	0.984	25	63	1600	16	400	S2111
73220264	6	0.268	6.8	0.984	25	79	2000	20	500	S2111
73220265	7	0.287	7.3	1.024	26	16	400	4	100	S2111
73220266	7	0.287	7.3	1.024	26	31	800	8	200	S2111
73220267	7	0.287	7.3	1.024	26	47	1200	12	300	S2111
73220268	7	0.287	7.3	1.024	26	63	1600	16	400	S2111
73220269	7	0.287	7.3	1.024	26	79	2000	20	500	S2111
73220270	12	0.331	8.4	1.181	30	16	400	4	100	S2113
73220271	12	0.331	8.4	1.181	30	31	800	8	200	S2113
73220272	12	0.331	8.4	1.181	30	47	1200	12	300	S2113
73220273	12	0.331	8.4	1.181	30	63	1600	16	400	S2113
73220274	12	0.331	8.4	1.181	30	79	2000	20	500	S2113
73220275	18	0.374	9.5	1.220	31	16	400	4	100	S2113
73220276	18	0.374	9.5	1.220	31	31	800	8	200	S2113
73220277	18	0.374	9.5	1.220	31	47	1200	12	300	S2113
73220278	18	0.374	9.5	1.220	31	63	1600	16	400	S2113
73220279	18	0.374	9.5	1.220	31	79	2000	20	500	S2113

Custom configurations are available. Utilize the custom cable design form on page 151 or contact your LAPP sales representative.

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.

for current information see: [www.lappusa.com](http://www.lappusa.com) • [www.lappcanada.com](http://www.lappcanada.com)

