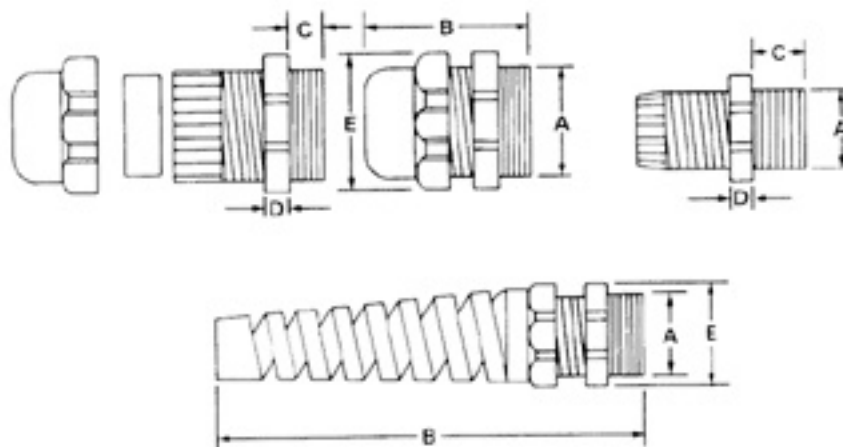


SKINTOP®

Liquid Tight, Non-Metallic Strain Relief Cord Connectors

CE (UL)

Patented Security:
Patent # P-2631996

International Approvals:
UL # E146370 VDE # 57986
CSA # LR50370-10 SEV # 100989

TECHNICAL DATA:

Protection: Up to 70 PSI
Material: Polyamide — flame retardant,
self-extinguishing nylon with neoprene
bushing
Rated
Temperature: -20°C to +80°C -short term to +100°C
Seal: IP 68 (International Protection —
highest grade), comparable to NEMA 6
classification
First digit (0-6): Dust Protection
Second digit (0-8): Water Protection
Resistant to: Salt water, weak acids, weak alkalis,
alcohol, ester, ketones, ether, benzene, gas,
mineral oil, animal and vegetable oils,
gasoline, oil, grease, and common solvents.

Skintop® meets the most stringent demands of
safety and operational reliability. Skintop® can be used in panels, switches,
control boxes, submersible pumps, appliances and many machine tool applica-
tions.

Skintop® is both a strain relief and a liquid tight seal — all in one connector.

Optimum Seal:

Complete liquid tightness is achieved with a uniquely designed molded sealing
ring and flange nut combined with a neoprene bushing and domed sealing
cap.

Unique Design:

Skintop® outperforms traditional connectors because the design consists of
three parts which do not require dismantling before use.

The internal ratchet mechanism allows the cap to be tightened without twisting
the cord as it compresses, pushing the collet fingers together to form a liquid-
tight seal with the
neoprene compression bushing.

Vibration Proof Protection:

An integrated locking mechanism that includes an internal ratchet inside the
sealing portion of the cord grip provides a self locking and vibration proof ele-
ment that prevents the cap from loosening even when subjected to severe
vibration.

Quick Installation:

The multi-trapezoidal thread requires just one twist to tighten the dome cap –
automatically adjusting to the size of the cable and providing optimum strain
relief and liquid tight seal.

Durability:

Skintop® incorporates a heavy duty design that provides greater pull out
strength and very reliable strain relief.

Easier Handling:

Larger ergonomic design and ridges in the dome cap provide easy gripping and
mounting by hand or wrench.

Larger Variable Clamping Range:

The uniquely designed collet, combined with the optional reducing bushing
accommodates a broad range of cords, and cable diameters resulting in a
reduction in the number of
connectors required in inventory.

Resistant to Impact at Low Temperatures:

The Skintop® can withstand impact at low temperatures of -20°C.

SKINTOP® SL / SLR

Liquid Tight, Non-Metallic Strain Relief Connector
with PG Thread



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SKINTOP® SL/SLR is a unique, liquid tight, easy to assemble strain relief connector with a PG thread, that is universally suited for all types of

machinery & equipment, including automation, motion control and robotics.



Materials:

Body: Polyamide

Seal: Neoprene

Halogen Free Seals Available
on Special Order

See page 166 for dimensional details.

Protection:

70 PSI

Seal:

IP 68 (Comparable to NEMA 6)

Temperature range: -20°C to +80°C

CONNECTORS

Part Number Black	Part Number Grey	Description	Thread Type	UL Status	Range	A Mounting Hole	B Maximum Overall Length	C Thread Length	D Wrenching Nut Thickness	E Wrenching Flats	Pack Size
PG THREAD – STANDARD TYPE											
S2207	S1207	SLR-7	PG-7	R	.079 - .197	.492	1.259	.315	.203	.591	100
S2107	S1107	SL-7	PG-7	R	.118 - .255	.492	1.259	.315	.203	.591	100
S2209	S1209	SLR-9	PG-9	R	.079 - .236	.599	1.378	.315	.218	.750	100
S2109	S1109	SL-9	PG-9	R	.157 - .314	.599	1.378	.315	.218	.750	100
S2211	S1211	SLR-11	PG-11	R	.118 - .279	.733	1.500	.315	.218	.866	100
S2111	S1111	SL-11	PG-11	R	.197 - .394	.733	1.500	.315	.218	.866	100
S2213	S1213	SLR-13	PG-13	L	.341 - .353	.804	1.614	.354	.218	.945	100
S2113	S1113	SL-13	PG-13	L	.236 - .472	.804	1.614	.354	.218	.945	100
S2216	S1216	SLR-16	PG-16	L	.423 - .481	.886	1.732	.394	.234	1.063	50
S2116	S1116	SL-16	PG-16	L	.394 - .551	.886	1.732	.394	.234	1.063	50
S2221	S1221	SLR-21	PG-21	L	.481 - .617	1.115	1.929	.433	.250	1.299	50
S2121	S1121	SL-21	PG-21	L	.545 - .709	1.115	1.929	.433	.250	1.299	50
S2229	S1229	SLR-29	PG-29	R	.512 - .787	1.457	2.165	.433	.297	1.654	25
S2129	S1129	SL-29	PG-29	R	.708 - .984	1.457	2.165	.433	.297	1.654	25
S2236	S1236	SLR-36	PG-36	L	.787 - 1.023	1.850	2.519	.512	.315	2.087	10
S2136	S1136	SL-36	PG-36	L	.866 - 1.259	1.850	2.519	.512	.315	2.087	10
S2242	S1242	SLR-42	PG-42	R	.945 - 1.220	2.126	2.638	.512	.360	2.362	5
S2142	S1142	SL-42	PG-42	R	1.259 - 1.496	2.126	2.638	.512	.360	2.362	5
S2248	S1248	SLR-48	PG-48	L	1.141 - 1.378	2.335	2.717	.551	.360	2.559	5
S2148	S1148	SL-48	PG-48	L	1.456 - 1.732	2.335	2.717	.551	.360	2.559	5

* "R" in description indicates reducer bushing.

** Locknuts provided with PG sizes.

*** Orders of 2000 pieces or more per item will be bulk packaged unless otherwise requested.

UL Status: R = Recognized; L = Listed

SKINTOP® FLEX

Liquid Tight Non-Metallic Connector
with Spiral Strain Relief

CE (UL)



SKINTOP® FLEX is a liquid tight, spiral strain relief that offers additional safety against over-stress and conductor breakage. Ideally suited

for hand held equipment, moving machinery, robotics and instrumentation.



Materials:

Body: Polyamide
Seal: Neoprene
Halogen Free Seals Available on Special Order

See page 166 for dimensional details.

Protection:

Seal: IP 68 (Comparable to NEMA 6)
Temperature range: -20°C to +80°C

Part Number	Black	Grey	Description	Thread Type	UL Status	Diameter Range	A Mounting Hole	B Maximum Overall Length	C Thread Length	D Wrenching Nut Thickness	E Wrenching Flats	Pack Size
PG THREAD – FLEX TYPE												
S2407	S1407		SLR-FLEX 7	PG-7	R	.079 - .197	.492	2.560	.315	.203	.591	100
S2307	S1307		SL-FLEX 7	PG-7	R	.118 - .255	.492	2.560	.315	.203	.591	100
S2409	S1409		SLR-FLEX 9	PG-9	R	.079 - .236	.599	2.970	.315	.218	.750	100
S2309	S1309		SL-FLEX 9	PG-9	R	.157 - .314	.599	2.970	.315	.218	.750	100
S2411	S1411		SLR-FLEX 11	PG-11	R	.118 - .279	.733	3.510	.315	.218	.866	100
S2311	S1311		SL-FLEX 11	PG-11	R	.197 - .394	.733	3.510	.315	.218	.866	100
S2413	S1413		SLR-FLEX 13	PG-13	L	.341 - .353	.804	4.020	.354	.218	.945	100
S2313	S1313		SL-FLEX 13	PG-13	L	.236 - .472	.804	4.020	.354	.218	.945	100
S2416	S1416		SLR-FLEX 16	PG-16	L	.423 - .481	.886	4.540	.394	.234	1.063	50
S2316	S1316		SL-FLEX 16	PG-16	L	.394 - .551	.886	4.540	.394	.234	1.063	50
S2421	S1421		SLR-FLEX 21	PG-21	L	.481 - .617	1.115	5.293	.433	.250	1.299	25
S2321	S1321		SL-FLEX 21	PG-21	L	.545 - .709	1.115	5.293	.433	.250	1.299	25
NPT THREAD – FLEX TYPE												
S2438	S1438		SLRN-FLEX 9 (3/8")	NPT-3/8"	R	.079 - .236	.675	3.282	.563	.218	.743	100
S2338	S1338		SLN-FLEX 9 (3/8")	NPT-3/8"	R	.157 - .314	.675	3.282	.563	.218	.743	100
S2412	S1412		SLRN-FLEX 13 (1/2")	NPT-1/2"	L	.341 - .353	.825	4.135	.563	.218	.938	100
S2312	S1312		SLN-FLEX 13 (1/2")	NPT-1/2"	L	.236 - .472	.825	4.135	.563	.218	.938	100
S2434	S1434		SLRN-FLEX 21 (3/4")	NPT-3/4"	L	.481 - .617	1.050	5.333	.563	.250	1.297	50
S2334	S1334		SLN-FLEX 21 (3/4")	NPT-3/4"	L	.545 - .709	1.050	5.333	.563	.250	1.297	50

1. Locknuts included with PG sizes, but may be ordered separately with NPT thread types. See page 172.
2. "R" in description indicates reducer bushing.
3. "N" in description indicates NPT thread.

4. All dimensions in inches.
5. Orders of 2000 pieces or more per item will be bulk packaged unless otherwise requested.

UL Status: R = Recognized; L = Listed