

# SKINTOP® FLEX

Liquid Tight, Non-Metallic Spiral Strain Relief  
Cable Gland in NPT, PG & Metric Threads

PG & NPT



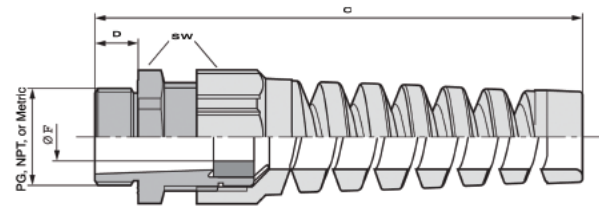
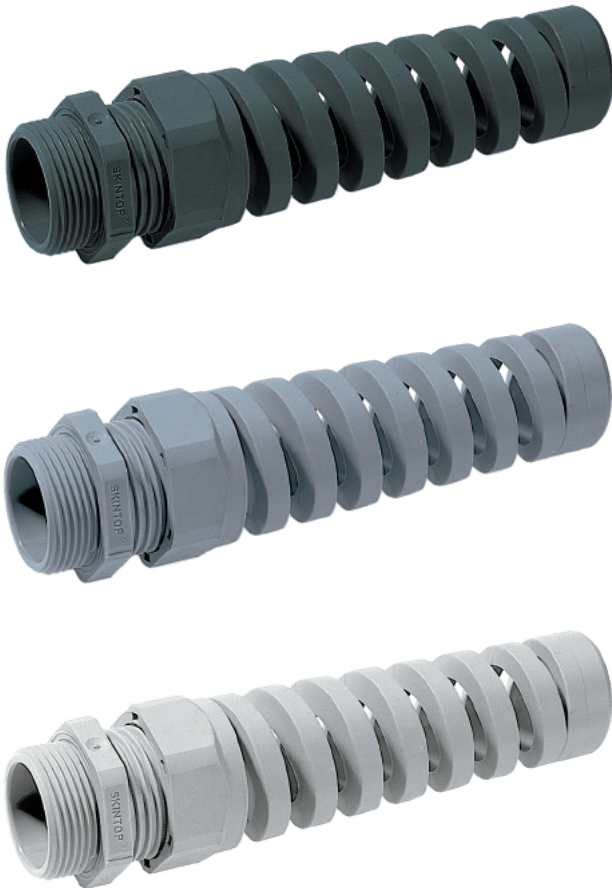
Metric



SKINTOP® FLEX is a liquid tight, spiral strain relief that offers additional safety against overstress and conductor breakage. Ideally suited for hand held equipment, moving machinery and robotics.

## Application Advantage:

- Superior bending protection for cable conservation and functional reliability
- The heavy duty SKINTOP® design provides great pullout strength and very reliable strain relief
- Superior integrated locking mechanism includes an internal ratchet for vibration proof protection
- Multi-trapezoidal thread requires just one twist to tighten
- Generous high quality neoprene bushing provides a liquid tight and dust proof, hermetic seal



## Technical Data:

|                                                                                   |            |                                                  |                                                                                     |                    |                                                                                  |
|-----------------------------------------------------------------------------------|------------|--------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------|
|  | Materials: | Polyamide<br>CR                                  |  | Protection:        | 70 PSI                                                                           |
|                                                                                   | Body:      |                                                  |                                                                                     | Seal:              | IP 68, 5 Bar<br>(Exceeds NEMA 6/ 6P Pressure rating)                             |
|  | Color:     | Black (RAL 9005) UV Resistant<br>Gray (RAL 7001) |  | Temperature Range: |                                                                                  |
|                                                                                   |            |                                                  |                                                                                     | NPT & PG:          | -20°C to +80°C                                                                   |
|                                                                                   |            |                                                  |                                                                                     | Metric:            | -20°C to +100°C                                                                  |
|                                                                                   |            |                                                  |                                                                                     | Locknuts:          | Included with PG and Metric sizes<br>NPT Locknuts are available<br>see Page 498. |

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## NPT THREADS

### SKINTOP® SLN FLEX: Liquid Tight, Non-Metallic Spiral Strain Relief Cable Gland with NPT Threads

| Black | Part Number | Gray | Thread Type & Size | UL Status | Clamping Range<br>øF<br>inches | SW<br>Wrenching Flats<br>inches | C<br>Overall Length<br>inches | D<br>Thread Length<br>inches | Standard<br>Pack<br>Size | Weight<br>100 pcs.<br>lbs. |
|-------|-------------|------|--------------------|-----------|--------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------|----------------------------|
| S2338 | S1338       |      | NPT-3/8"           | R         | .138 - .315                    | 0.748                           | 3.228                         | .591                         | 100                      | 3.00                       |
| S2312 | S1312       |      | NPT-1/2"           | L         | .197 - .472                    | 0.945                           | 4.094                         | .591                         | 100                      | 5.50                       |
| S2334 | S1334       |      | NPT-3/4"           | L         | .512 - .709                    | 1.299                           | 5.236                         | .591                         | 50                       | 12.00                      |

### SKINTOP® SLRN FLEX: NPT Liquid Tight, Non-Metallic Strain Relief Cable Gland with Reducer Bushing

| Black | Part Number | Gray | Thread Type & Size | UL Status | Clamping Range<br>øF<br>inches | SW<br>Wrenching Flats<br>inches | C<br>Overall Length<br>inches | D<br>Thread Length<br>inches | Standard<br>Pack<br>Size | Weight<br>100 pcs.<br>lbs. |
|-------|-------------|------|--------------------|-----------|--------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------|----------------------------|
| S2438 | S1438       |      | NPT-3/8"           | R         | .079 - .236                    | 0.748                           | 3.228                         | .591                         | 100                      | 3.00                       |
| S2412 | S1412       |      | NPT-1/2"           | L         | .157 - .354                    | 0.945                           | 4.094                         | .591                         | 50                       | 5.50                       |
| S2434 | S1434       |      | NPT-3/4"           | L         | .354 - .630                    | 1.299                           | 5.236                         | .591                         | 25                       | 12.00                      |

## PG THREADS

### SKINTOP® SL FLEX: Liquid Tight, Non-Metallic Spiral Strain Relief Cable Gland with PG Threads

| Black | Part Number | Gray | Thread Type & Size | UL Status | Clamping Range<br>øF<br>inches | SW<br>Wrenching Flats<br>inches | C<br>Overall Length<br>inches | D<br>Thread Length<br>inches | Standard<br>Pack<br>Size | Weight<br>100 pcs.<br>lbs. |
|-------|-------------|------|--------------------|-----------|--------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------|----------------------------|
| S2307 | S1307       |      | PG-7               | R         | .098 - .256                    | 0.591                           | 2.441                         | .315                         | 100                      | 1.50                       |
| S2309 | S1309       |      | PG-9               | R         | .138 - .315                    | 0.748                           | 2.894                         | .315                         | 100                      | 2.50                       |
| S2311 | S1311       |      | PG-11              | R         | .157 - .394                    | 0.866                           | 3.386                         | .315                         | 100                      | 3.25                       |
| S2313 | S1313       |      | PG-13              | L         | .236 - .472                    | 0.945                           | 3.858                         | .354                         | 50                       | 4.00                       |
| S2316 | S1316       |      | PG-16              | L         | .354 - .551                    | 1.063                           | 4.399                         | .394                         | 25                       | 5.50                       |
| S2321 | S1321       |      | PG-21              | L         | .512 - .709                    | 1.299                           | 5.079                         | .433                         | 25                       | 10.00                      |

### SKINTOP® SLR FLEX: PG Liquid Tight, Non-Metallic Spiral Strain Relief Cable Gland with Reducer Bushing

| Black | Part Number | Gray | Thread Type & Size | UL Status | Clamping Range<br>øF<br>inches | SW<br>Wrenching Flats<br>inches | C<br>Overall Length<br>inches | D<br>Thread Length<br>inches | Standard<br>Pack<br>Size | Weight<br>100 pcs.<br>lbs. |
|-------|-------------|------|--------------------|-----------|--------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------|----------------------------|
| S2407 | S1407       |      | PG-7               | R         | .059 - .197                    | 0.591                           | 2.441                         | .315                         | 100                      | 1.50                       |
| S2409 | S1409       |      | PG-9               | R         | .079 - .236                    | 0.748                           | 2.894                         | .315                         | 100                      | 2.50                       |
| S2411 | S1411       |      | PG-11              | R         | .079 - .276                    | 0.866                           | 3.386                         | .315                         | 100                      | 3.25                       |
| S2413 | S1413       |      | PG-13              | L         | .157 - .354                    | 0.945                           | 3.858                         | .354                         | 50                       | 4.00                       |
| S2416 | S1416       |      | PG-16              | L         | .236 - .472                    | 1.063                           | 4.399                         | .394                         | 25                       | 5.50                       |
| S2421 | S1421       |      | PG-21              | L         | .354 - .630                    | 1.299                           | 5.079                         | .433                         | 25                       | 10.00                      |

## METRIC THREADS

### SKINTOP® SL-M FLEX: Liquid Tight, Non-Metallic Spiral Strain Relief Cable Gland with Metric Threads

| Black | Part Number | Gray | Thread Type & Size | UL Status | Clamping Range<br>øF<br>inches | SW<br>Wrenching Flats<br>inches | C<br>Overall Length<br>inches | D<br>Thread Length<br>inches | Standard<br>Pack<br>Size | Weight<br>100 pcs.<br>lbs. |
|-------|-------------|------|--------------------|-----------|--------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------|----------------------------|
| S2707 | S1707       |      | M-12X1.5           | R         | .138 - .276                    | 0.591                           | 2.520                         | .315                         | 100                      | 1.25                       |
| S2709 | S1709       |      | M-16X1.5           | R         | .177 - .394                    | 0.748                           | 3.386                         | .315                         | 100                      | 2.50                       |
| S2713 | S1713       |      | M-20X1.5           | L         | .276 - .512                    | 0.984                           | 3.976                         | .315                         | 50                       | 4.50                       |
| S2716 | S1716       |      | M-25X1.5           | L         | .354 - .669                    | 1.181                           | 4.921                         | .354                         | 25                       | 8.00                       |
| S2721 | S1721       |      | M-32X1.5           | L         | .433 - .827                    | 1.417                           | 5.866                         | .394                         | 25                       | 12.00                      |

#### NOTES:

- Orders of 2000 pieces or more per item will be bulk packaged unless otherwise requested.
- UL Status: R = Recognized; L = Listed