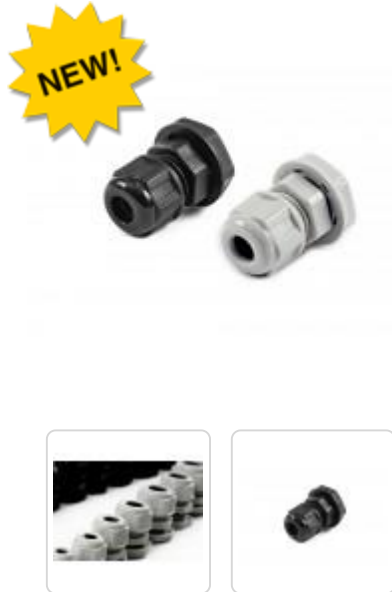




*Quality Products. Service Excellence.*

## Liquid-Tight Cordgrips (Nylon) 1427NCG Series

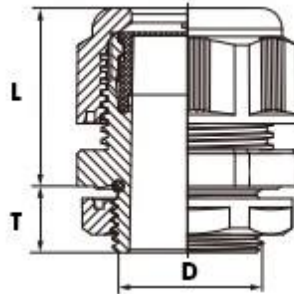
IP68, UL Listed. PG & Metric



### Features

- Liquid-tight cordgrip made from nylon
- Available in black (RAL 9005) or gray (RAL 7035).
- Used where cable is entering or leaving an enclosure.
- Accepts a wide range of cable diameters due to large opening and NBR (nitrile rubber) seal.
- The strain relief elements tighten in a circular sequence on the sealing ring to give outstanding strain relief without twisting or damaging the cable.
- Use the cordgrip with the smallest maximum diameter that will fit your application (see table below).
- Nylon locknut and EPDM o-ring included (as shown).
- Operating Temperatures:
  - Static state: -40°C to 100°C (up to 120° instantaneous)
  - Dynamic state: -20°C to 80°C (up to 100° instantaneous)
- Designed to meet NEMA Type 4, 4X, 6, 6P, 12 & 13 - Protection to IP68.
- UL94-V2 flammability rating.
- UL listed.





| Part Number (Gray) | Part Number (Black) | Material | Thread Size | Mounting Hole | Wire Diameter |     | Outer Length | Inner Thread Length |
|--------------------|---------------------|----------|-------------|---------------|---------------|-----|--------------|---------------------|
|                    |                     |          | (D)         | Diameter      | Min           | Max | (L)          | (T)                 |
| 1427NCGPG7G        | 1427NCGPG7B         | Nylon    | PG7         | 13            | 3             | 7   | 21           | 8                   |
| 1427NCGPG9G        | 1427NCGPG9B         | Nylon    | PG9         | 15            | 4             | 8   | 22           | 8                   |

|              |              |       |        |    |    |    |    |    |
|--------------|--------------|-------|--------|----|----|----|----|----|
| 1427NCGPG11G | 1427NCGPG11B | Nylon | PG11   | 19 | 5  | 10 | 25 | 8  |
| 1427NCGPG13G | 1427NCGPG13B | Nylon | PG13.5 | 21 | 6  | 12 | 27 | 9  |
| 1427NCGPG16G | 1427NCGPG16B | Nylon | PG16   | 23 | 10 | 14 | 28 | 10 |

**PG Threads (Standard Length)**

| Part Number (Gray) | Part Number (Black) | Material | Thread Size | Mounting Hole | Wire Diameter |     | Outer Length | Inner Thread Length |
|--------------------|---------------------|----------|-------------|---------------|---------------|-----|--------------|---------------------|
|                    |                     |          | (D)         | Diameter      | Min           | Max | (L)          | (T)                 |
| 1427NCGPG19G       | 1427NCGPG19B        | Nylon    | PG19        | 24            | 12            | 15  | 30           | 12                  |
| 1427NCGPG21G       | 1427NCGPG21B        | Nylon    | PG21        | 29            | 13            | 18  | 31           | 11                  |
| 1427NCGPG29G       | 1427NCGPG29B        | Nylon    | PG29        | 37            | 18            | 25  | 37           | 11                  |
| 1427NCGPG36G       | 1427NCGPG36B        | Nylon    | PG36        | 48            | 22            | 32  | 48           | 13                  |
| 1427NCGPG42G       | 1427NCGPG42B        | Nylon    | PG42        | 55            | 32            | 38  | 49           | 13                  |
| 1427NCGPG48G       | 1427NCGPG48B        | Nylon    | PG48        | 60            | 37            | 44  | 49           | 14                  |

**PG Threads (Extra Long)**

| Part Number (Gray) | Part Number (Black) | Material | Thread Size | Mounting Hole | Wire Diameter |     | Outer Length | Inner Thread Length |
|--------------------|---------------------|----------|-------------|---------------|---------------|-----|--------------|---------------------|
|                    |                     |          | (D)         | Diameter      | Min           | Max | (L)          | (T)                 |
| 1427NCGPG7LG       | 1427NCGPG7LB        | Nylon    | PG7         | 13            | 3             | 4   | 21           | 15                  |
| 1427NCGPG9LG       | 1427NCGPG9LB        | Nylon    | PG9         | 15            | 4             | 8   | 22           | 15                  |
| 1427NCGPG11LG      | 1427NCGPG11LB       | Nylon    | PG11        | 19            | 5             | 10  | 25           | 15                  |
| 1427NCGPG13LG      | 1427NCGPG13LB       | Nylon    | PG13.5      | 21            | 6             | 12  | 27           | 15                  |
| 1427NCGPG16LG      | 1427NCGPG16LB       | Nylon    | PG16        | 23            | 10            | 14  | 28           | 15                  |

**Metric Threads**

| Part Number (Gray) | Part Number (Black) | Material | Thread Size | Mounting Hole | Wire Diameter |     | Outer Length | Inner Thread Length |
|--------------------|---------------------|----------|-------------|---------------|---------------|-----|--------------|---------------------|
|                    |                     |          | (D)         | Diameter      | Min           | Max | (L)          | (T)                 |
| 1427NCGM12G        | 1427NCGM12B         | Nylon    | M12x1.5     | 12            | 3             | 7   | 21           | 8                   |
| 1427NCGM16G        | 1427NCGM16B         | Nylon    | M16x1.5     | 16            | 4             | 8   | 22           | 8                   |
| 1427NCGM16LG       | 1427NCGM16LB        | Nylon    | M16x1.5     | 16            | 5             | 10  | 25           | 8                   |
| 1427NCGM20G        | 1427NCGM20B         | Nylon    | M20x1.5     | 20            | 6             | 12  | 27           | 9                   |
| 1427NCGM20LG       | 1427NCGM20LB        | Nylon    | M20x1.5     | 20            | 10            | 14  | 28           | 9                   |
| 1427NCGM25G        | 1427NCGM25B         | Nylon    | M25x1.5     | 25            | 13            | 18  | 31           | 11                  |
| 1427NCGM32G        | 1427NCGM32B         | Nylon    | M32x1.5     | 32            | 18            | 25  | 37           | 11                  |
| 1427NCGM40G        | 1427NCGM40B         | Nylon    | M40x1.5     | 40            | 22            | 32  | 48           | 13                  |
| 1427NCGM50G        | 1427NCGM50B         | Nylon    | M50x1.5     | 50            | 32            | 38  | 49           | 13                  |
| 1427NCGM63G        | 1427NCGM63B         | Nylon    | M63x1.5     | 63            | 37            | 44  | 49           | 14                  |

**Torque Specifications**

| Thread Size | Sealing Nut Torque (N-m) |      | Locknut Torque (N-m) |      |
|-------------|--------------------------|------|----------------------|------|
|             | Min.                     | Max. | Min.                 | Max. |
| PG7         | 0.8                      | 1.5  | 1                    | 2    |
| PG9         | 1                        | 2    | 1.2                  | 1.8  |
| PG11        | 1.5                      | 2.5  | 1.5                  | 2.5  |
| PG13.5      | 3.5                      | 4.5  | 3                    | 5    |
| PG16        | 4                        | 5    | 4                    | 6    |
| PG21        | 5                        | 6    | 4                    | 7    |
| PG29        | 7                        | 8    | 5                    | 7    |

| Thread Size | Sealing Nut Torque (N-m) |      | Locknut Torque (N-m) |      |
|-------------|--------------------------|------|----------------------|------|
|             | Min.                     | Max. | Min.                 | Max. |
| M63         | 12                       | 15   | 9                    | 12   |
| PG36        | 8                        | 10   | 8                    | 10   |
| PG42        | 9                        | 12   | 8                    | 10   |
| PG48        | 11                       | 13   | 8                    | 10   |
| M12         | 0.8                      | 1.5  | 1                    | 2    |
| M16 (small) | 1                        | 2    | 1.5                  | 2.5  |
| M16 (large) | 2                        | 3    | 2                    | 3    |
| M20 (small) | 3.5                      | 4.5  | 2.5                  | 3.5  |
| M20 (large) | 4                        | 5    | 3.5                  | 4.5  |
| M25         | 4                        | 6    | 2                    | 5    |
| M32         | 7                        | 8    | 4                    | 7    |
| M40         | 10                       | 13   | 7                    | 9    |
| M50         | 11                       | 13   | 8                    | 10   |

Note: The above table should be considered a guide. Actual torque values can vary depending on the application.

Tags: **cord grip, cordgrip, cable gland**

*Data subject to change without notice*

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