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

**IP68, UL Listed. PG & Metric**







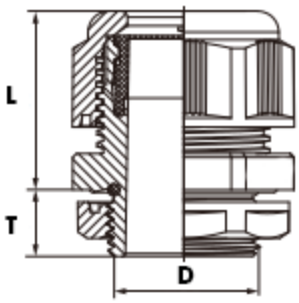
## Features

- 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.

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## PG Threads (Standard Length)

| Part Number (Gray) | Part Number (Black) | Material | Thread Size (D) | Mounting Hole Diameter | Wire Diameter Min | Wire Diameter Max | Outer Length (L) | Inner Thread Length (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 |

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| Part Number (Gray) | Part Number (Black) | Material | Thread Size (D) | Mounting Hole Diameter | Wire Diameter Min | Wire Diameter Max | Outer Length (L) | Inner Thread Length (T) |
|---|---|---|---|---|---|---|---|---|
| **1427NCGPG16G** | **1427NCGPG16B** | Nylon | PG16 | 23 | 10 | 14 | 28 | 10 |
| **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 (D) | Mounting Hole Diameter | Wire Diameter Min | Wire Diameter Max | Outer Length (L) | Inner Thread Length (T) |
|---|---|---|---|---|---|---|---|---|
| **1427NCGPG7LG** | **1427NCGPG7LB** | Nylon | PG7 | 13 | 3 | 7 | 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 (D) | Mounting Hole Diameter | Wire Diameter Min | Wire Diameter Max | Outer Length (L) | Inner Thread Length (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) Min. | Sealing Nut Torque (N-m) Max. | Locknut Torque (N-m) Min. | Locknut Torque (N-m) 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 |
| 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 |
| M63 | 12 | 15 | 9 | 12 |

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

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

*Data subject to change without notice.*

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