

Premium Nylon Cable Glands IP68

TOTALLY WATERPROOF TO 50m - SUBMERSIBLE

CABAC's range of Nylon Glands are a unique product. A camera shutter principle in the cable sealing mechanism makes the gland IP68 rated and 50m submersible. There is no necessity to disassemble the gland prior to installation - just insert the cable through and tighten up. The cable diameter range that each gland can take is large, thus reducing stock inventories.

- IP68 rating - the highest possible
- 5 bar pressure, i.e. submersible to 50m
- Superior strain relief
- Trapezoidal thread for quick high torque tightening
- Large cable range with each gland
- No throw away O-rings – one seal for whole range
- No price penalty for IP68 rating
- Black material for extended exterior use. Incorporates a unique 'camera shutter' principle which gives IP68 sealing with large cable range
- Long metric thread to suit Australian requirements

The gland to cable interface has an IP68 50m submersible rating, however to maintain this rating, the gland to equipment interface needs appropriate attention. The glands are supplied with optional neoprene seals that can be used to seal the gland body to the equipment. Care should be taken with these seals to ensure the gland is not over tightened, causing the seal to "pop". The glands have a sealing ridge moulded into the gland base, which works effectively with equipment with built-in threads, and a flat surface where the gland beds. In these cases the neoprene seal is not required. It is recommended that an appropriate sealing compound is used on the body thread in areas that the IP rating is critical. CABAC's cable glands are suitable for use in machine installation, construction, measuring and regulating equipment, site installation and many other applications.

Check with CABAC Technical Staff if installed on light metal enclosures which must be immersed.



What is an IP rating?

Below is an extract from AS 1939 which gives the degrees of protection relating to IP rating.

An IP rating is made up of two numbers, the first relating to solid objects and dust ingress and the second to water ingress.

Our glands are IP68

6 = Dust tight

8 = Protected against submersion

This is the highest IP rating possible!!!



First Numeral of an IP Rating (AS 1939) Solid Objects/Dust Protection

0	Non-protected
1	Protected against solid objects greater than 50mm
2	Protected against solid objects greater than 12mm
3	Protected against solid objects greater than 2.5mm
4	Protected against solid objects greater than 1.0mm
5	Dust protected
6	Dust tight

Second Numeral of an IP Rating (AS 1939) Water Protection

0	Non-protected
1	Protected against dripping water
2	Protected against dripping water when tilted up to 15 degrees
3	Protected against spraying water
4	Protected against splashing water
5	Protected against water jets
6	Protected against heavy seas
6D	Protected against driving rain
7	Protected against the effect of immersion
8	Protected against submersion

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Metric Gland Range

Catalogue No.	Cable Thread Size	Length Range O.D. (mm)	Width of Thread (mm)	A/F (mm)	Std Pack
GN12	M12	4-6	8	15.0	40
GN16	M16	5-10	15	21.8	40
GN20	M20	8-13	15	26.3	25
GN25	M25	11-17	15	32.0	15
GN32	M32	15-23	15	41.5	5
GN40	M40	19-28	18	49.2	5
GN50	M50	27-35	18	59.2	2
GN63	M63	32-42	18	71.2	2

Metric glands supplied complete with locknut and body seal.

Nylon PG Gland Range

Catalogue No.	Thread	Cable Range O.D. (mm)	Length of Thread (mm)	Width A/F (mm)	Std Pack
GN9PG	9PG	4-8	8	19	40
GN11PG	11PG	5-10	8	22	40
GN13.5PG	13.5PG	6-12	9	24	25
GN16PG	16PG	10-14	10	27	15
GN21PG	21PG	13-18	11	33	5

PG glands are NOT supplied with locknuts see below.

PG Locknuts, Brass & Nylon

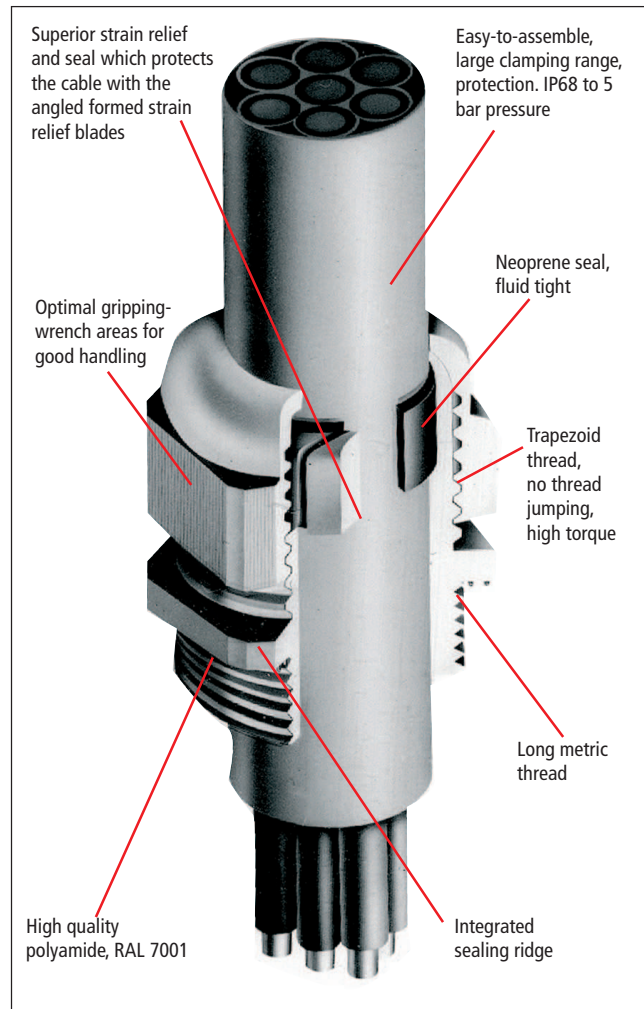
PG glands, nylon and brass do not include locknuts.

Nylon

LNN9PG	Nylon locknut for GN9PG
LNN11PG	Nylon locknut for GN11PG
LNN13.5PG	Nylon locknut for GN13.5PG
LNN16PG	Nylon locknut for GN16PG
LNN21PG	Nylon locknut for GN21PG

Brass

LNM9PG	Brass locknut for GU9PG
LNM11PG	Brass locknut for GU11PG
LNM13.5PG	Brass locknut for GU13.5PG
LNM16PG	Brass locknut for GU16PG
LNM21PG	Brass locknut for GU21PG



Technical Data

Standards

DIN VDE 0619, IP68 5 bar

Material

Polyamide 6 with glass fibre reinforcing
Halogen Free

Continuous Operating Temperature

-40°C to 100°C (can run for short intervals to 200°C)

Plastic Deformation Temperature

200°C

Tensile Strength

110 N/mm² working
240 N/mm² ultimate

Breakdown Voltage

60 kV/mm

Volume Resistivity

1 x 10¹² ohm cm

Density

1.35 g/cm³

Chemical Resistance

Very resistant to:

Petrol
Diesel
Mineral oils
Strong alkalis
Weak acids

Medium Resistant to:

Vegetable oils
Benzol

**PREMIUM
Australian
Made
Range**

