

Cable Gland

High-Quality Cable Strain Relief and Sealing



AlphaWire

Cables you trust. Service you deserve.



Alpha Wire's cable glands are a great solution for providing premium cable strain relief and protection against environmental factors such as flames and dust for a wide range of industries including renewable energy, industrial automation, and electrical equipment.

Our broad offering includes a full range of easily installed standard dome glands, flexible spiral glands, and sealing hole plugs. All products are available in NPT, metric, and PG thread sizes. Cable glands are dust-, dirt-, sand-resistant, and watertight in accordance with IP68. Glands are packaged with an accompanying locknut and a gasket, providing you with a complete strain relief solution. Cable glands are the latest addition to our FIT Wire Management family of products. All items are in stock and ready for immediate delivery.

Plastic Glands: Specifications

Temperature Rating

- -20°C to +100°C (Permanent)
- -30°C to +150°C (Intermittent)

Materials

- Polyamide 6 (Body)
- Chloroprene rubber (O-ring/seal)

Color

- Slate, RAL 7001
- Black

Protection Class

- IP68 (5 bar, 30 min)
- IP66

Flammability

- V2 (According to UL94)

Thread Type

- NPT, metric, or PG

Approvals

- CSA C22.2
- RoHS



- Optimum strain relief for static and flex applications
- High-strength polyamide body composition
- Large clamping range
- IP68 up to 5 bar rating
- Robust rubber seals to protect against dripping water and water pressure
- Up to +150°C temperature rating
- UL, CSA, RoHS rated

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Plastic Glands: Specifications



	Part No.	Size	Clamping Range		Thread Length		Thread Ø		Color	Packing Unit
			mm	inch	mm	inch	mm	inch		

Standard Threaded Glands – Includes Locknut and Gasket

High-quality strain relief and sealing for standard industrial applications
Easy assembly: Simply install cable gland, insert cable, tighten cap

NPT	PNC3/8	NPT-3/8"	5 - 10	0.197 - 0.394	15	0.591	17.14	0.675	Slate/Black	10
	PNC1/2	NPT-1/2"	6 - 12	0.236 - 0.472	15	0.591	21.34	0.840	Slate/Black	10
	PNC1/2W	NPT-1/2"	9 - 16	0.354 - 0.630	11	0.433	21.34	0.840	Slate/Black	10
	PNC3/4	NPT-3/4"	13 - 18	0.512 - 0.709	15	0.591	26.67	1.050	Slate/Black	10
	PNC1	NPT-1"	18 - 25	0.709 - 0.984	18	0.709	33.40	1.315	Slate/Black	10
Metric	PMC12	M-12x1.5	3 - 6.5	0.118 - 0.256	8	0.31	12	0.47	Slate/Black	10
	PMC16	M-16x1.5	5 - 10	0.197 - 0.394	8	0.39	16	0.63	Slate/Black	10
	PMC20	M-20x1.5	6 - 12	0.236 - 0.472	10	0.39	20	0.79	Slate/Black	10
	PMC25	M-25x1.5	11 - 17	0.433 - 0.669	8	0.31	25	0.98	Slate/Black	10
	PMC32	M-32x1.5	15 - 21	0.591 - 0.827	10	0.39	32	1.26	Slate/Black	10
PG	PPC7	PG 7	3 - 6.5	0.118 - 0.256	8	0.31	12.5	0.49	Slate/Black	10
	PPC9	PG 9	4 - 8	0.157 - 0.315	8	0.31	15.2	0.60	Slate/Black	10
	PPC11	PG 11	5 - 10	0.197 - 0.394	8	0.31	18.6	0.73	Slate/Black	10
	PPC13	PG 13.5	6 - 12	0.236 - 0.472	10	0.39	20.4	0.80	Slate/Black	10
	PPC16	PG 16	10 - 14	0.396 - 0.551	10	0.39	22.5	0.89	Slate/Black	10
	PPC21	PG 21	13 - 18	0.511 - 0.708	11	0.43	37	1.46	Slate/Black	10
PPC29	PG 29	18 - 25	0.708 - 0.984	11	0.43	37	1.46	Slate/Black	10	

Flexible Cable Protection Glands – Includes Locknut and Gasket

Spiral design for industrial applications needing high-quality strain relief with enhanced cable bending protection

NPT	PNS3/8	NPT-3/8"	5 - 10	0.197 - 0.394	15	0.591	17.14	0.673	Slate/Black	10
	PNS1/2	NPT-1/2"	6 - 12	0.236 - 0.472	15	0.591	21.34	0.839	Slate/Black	10
	PNS3/4	NPT-3/4"	13 - 18	0.512 - 0.709	15	0.591	26.67	1.051	Slate/Black	10
Metric	PMS12	M-12x1.5	3 - 6.5	0.118 - 0.256	8	0.31	12.00	0.47	Slate/Black	10
	PMS16	M-16x1.5	5 - 10	0.197 - 0.394	10	0.39	20.00	0.79	Slate/Black	10
	PMS20	M-20x1.5	10 - 14	0.396 - 0.511	10	0.39	20.00	0.79	Slate/Black	10
	PMS25	M-25x1.5	13 - 18	0.511 - 0.708	10	0.39	25.00	0.98	Slate/Black	10
PG	PPS7	PG 7	3 - 6.5	0.118 - 0.256	8	0.31	12.5	0.49	Slate/Black	10
	PPS9	PG 9	4 - 8	0.157 - 0.315	8	0.31	15.2	0.60	Slate/Black	10
	PPS11	PG 11	5 - 10	0.197 - 0.394	8	0.31	18.6	0.73	Slate/Black	10
	PPS13	PG 13.5	6 - 12	0.236 - 0.472	10	0.39	20.4	0.80	Slate/Black	10
	PPS16	PG 16	10 - 14	0.396 - 0.551	10	0.39	22.5	0.89	Slate/Black	10

Hole Plugs – For Sealing of Housing When No Cable Gland Is Used

For standard industrial applications; can be fastened with screwdriver

Metric	HPM12	M-12x1.5	-	-	6	0.24	12.00	0.47	Slate/Black	10
	HPM16	M-16x1.5	-	-	7	0.28	16.00	0.63	Slate/Black	10
	HPM20	M-20x1.5	-	-	7	0.28	20.00	0.79	Slate/Black	10
	HPM25	M-25x1.5	-	-	10	0.39	25.00	0.98	Slate/Black	10
	HPM32	M-32x1.5	-	-	8	0.31	32.00	1.26	Slate/Black	10
PG	HPP7	PG 7	-	-	6	0.24	12.5	0.49	Slate/Black	10
	HPP9	PG 9	-	-	6	0.24	15.2	0.60	Slate/Black	10
	HPP11	PG 11	-	-	6	0.24	18.6	0.73	Slate/Black	10
	HPP13	PG 13.5	-	-	6	0.24	20.4	0.80	Slate/Black	10
	HPP16	PG 16	-	-	6	0.24	22.5	0.89	Slate/Black	10
	HPP21	PG 21	-	-	8	0.31	28.3	1.11	Slate/Black	10
	HPP29	PG 29	-	-	8	0.31	37.00	1.46	Slate/Black	10

Brass Cable Glands: Specifications



Temperature Range

- -20°C to +100°C (Permanent)
- -40°C to +150°C (Intermittent)

Materials

- Brass, nickel plated (Body & cap)
- Chloroprene rubber (Seal)
- NBR (O-ring)

Protection Class

- IP68 (5 bar, 30 min)
- IP66

Flammability

- V2 (According to UL94)

Thread Type

- NPT, metric, or PG

Approvals

- CSA C22.2
- UL 514
- RoHS



	Part No.	Size	Clamping Range		Thread Length		Thread Ø		Packing Unit
			mm	inch	mm	inch	mm	inch	
Metal Glands									
NPT	MNPT3/8	NPT-3/8"	4 - 8	0.157 - 0.315	11.5	0.453	17.14	0.675	10
	MNPT1/2	NPT-1/2"	6 - 12	0.236 - 0.472	13	0.512	21.34	0.840	10
	MNPT3/4	NPT-3/4"	13 - 18	0.512 - 0.709	13	0.512	26.67	1.050	10
	MNPT1/2	NPT-1/2"	18 - 25	0.709 - 0.984	13	0.512	33.40	1.315	10
Metric	MES12	M-12x1.5	3 - 6.5	0.118 - 0.256	6	0.236	12	0.472	10
	MES16	M-16x1.5	5 - 10	0.197 - 0.394	7	0.276	16	0.63	10
	MES20	M-20x1.5	6 - 12	0.236 - 0.472	8	0.315	20	0.787	10
	MES25	M-25x1.5	11 - 17	0.433 - 0.669	8	0.315	25	0.984	10
	MES32	M-32x1.5	15 - 21	0.591 - 0.827	8	0.315	32	1.26	10
PG	MPG7	PG 7	3 - 6.5	0.118 - 0.256	6	0.236	12.5	0.492	10
	MPG9	PG 9	4 - 8	0.157 - 0.315	6	0.236	15.2	0.598	10
	MPG11	PG 11	5 - 10	0.197 - 0.394	6	0.236	18.6	0.732	10
	MPG13	PG 13	6 - 12	0.236 - 0.472	6.5	0.256	20.4	0.803	10
	MPG16	PG 16	10 - 14	0.394 - 0.551	6.5	0.256	22.5	0.886	10
	MPG21	PG 21	13 - 18	0.512 - 0.709	7.2	0.283	28.3	1.114	10
	MPG29	PG 29	18 - 25	0.709 - 0.984	8	0.315	37	1.46	10

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