

Plastic Cable glands polyamide



Type	Cable gland
Material	polyamide 6 V2
Colour	light grey, RAL 7035
Ingress protection	IP 68 - 5 bar
Temperature range	-20°C to +100°C

Type	Cable Ø	AF*	TL*	Order No.
PG				
7	3 - 6,5	15	8	08.02 02 07
9	4 - 8	19	8	08.02 02 09
11	5 - 10	22	8	08.02 02 11
13,5	6 - 12	24	9	08.02 02 13
16	10 - 14	27	10	08.02 02 16
21	13 - 18	33	11	08.02 02 21
29	18 - 25	42	11	08.02 02 29
36	22 - 32	53	13	08.02 02 36
42	30 - 38	60	13	08.02 02 42
48	34 - 44	65	14	08.02 02 48
Metric				
M 12 x 1,5	3 - 6	15	8	08.08 05 12
M 16 x 1,5	5 - 10	20	8	08.08 05 16
M 20 x 1,5	8 - 13	24	8	08.08 05 20
M 25 x 1,5	11 - 17	29	8	08.08 05 25
M 32 x 1,5	15 - 21	36	10	08.08 05 32
M 40 x 1,5	19 - 28	46	10	08.08 05 40
M 50 x 1,5	27 - 35	55	12	08.08 05 50
M 63 x 1,5	32 - 42	68	12	08.08 05 63



Type	Blind plug
Material	polyamide 6
Colour	light grey, RAL 7035
Ingress protection	IP 54 IP 66 with additional sealing washer
Temperature range	-40°C to +100°C

Type	Cable Ø	AF*	TL*	Order No.
PG				
7			6	08.02 06 07
9			6,5	08.02 06 09
11			6,5	08.02 06 11
13,5			6,5	08.02 06 13
16			6,5	08.02 06 16
21			8	08.02 06 21
29			8	08.02 06 29
Metrisch				
M 12 x 1,5			6	08.09 05 12
M 16 x 1,5			6	08.09 05 16
M 20 x 1,5			6	08.09 05 20
M 25 x 1,5			8	08.09 05 25
M 32 x 1,5			8	08.09 05 32
M 40 x 1,5			8	08.09 05 40

* AF: width across flats
TL: thread length

Plastic Cable glands accessories



Type	Counter nut
Material	polyamide 6
Colour	light grey, RAL 7035
Temperature range	-20°C to +80°C

Type	Cable Ø	AF*	TL*	Order No.
PG				
7		19		08.02 09 07
9		22		08.02 09 09
11		24		08.02 09 11
13,5		27		08.02 09 13
16		30		08.02 09 16
21		36		08.02 09 21
29		46		08.02 09 29
36		60		08.02 09 36
42		65		08.02 09 42
48		70		08.02 09 48
Metric				
M 12 x 1,5		18		08.09 07 12
M 16 x 1,5		22		08.09 07 16
M 20 x 1,5		26		08.09 07 20
M 25 x 1,5		32		08.09 07 25
M 32 x 1,5		41		08.09 07 32
M 40 x 1,5		50		08.09 07 40
M 50 x 1,5		60		08.09 07 50
M 63 x 1,5		75		08.09 07 63



Type	Seal
Material	HD-Polyethylene
Colour	transparent
Temperature range	-30°C to +70°C

metric on request

Type	Cable Ø	AF*	TL*	Order No.
PG				
7				08.00 08 07
9				08.00 08 09
11				08.00 08 11
13,5				08.00 08 13
16				08.00 08 16
21				08.00 08 21
29				08.00 08 29
36				08.00 08 36



Type	Blending protection
Material	polyamide 6 V2
Colour	jet black, RAL 9005
Ingress protection	IP 68 - 5 bar
Temperature range	-20°C to +100°C

Type	Cable Ø	AF*	TL*	Order No.
Metric				
M 12 x 1,5	3 - 6,5	15	8	08.10 01 12
M 16 x 1,5	5 - 10	22	15	08.10 01 16
M 20 x 1,5	6 - 12	24	11	08.10 01 20
M 25 x 1,5	13 - 18	33	15	08.10 01 25



Type	Pressure balance element
Material	polyamide 6
Colour	jet black RAL 9005 light grey RAL 7035
Ingress protection	IP 68 / IP 69K
Air flow rate	0,8 l/min at 0,1 bar ΔP 7,6 l/min at 1 bar ΔP
Temperature range	-40°C to +105°C

Type	Colour	AF*	TL*	Order No.
Metric				
M 12 x 1,5	jet black	17	6,5	08.50 01 12
M 12 x 1,5	light grey	17	6,5	08.50 02 12
M 12 x 1,5	light grey	17	10	08.50 04 12

* AF: width across flats
TL: thread length

Brass Cable glands and accessories



Type	Cable gland
Material	brass nickel-plated
Sealing insert	NBR
Ingress protection	IP 68
Temperature range	-40°C to +100°C

Type	Cable Ø	AF*	TL*	Order No.
PG				
7	3 - 6,5	14	6	08.04 03 07
9	4 - 8	17	6	08.04 03 09
11	5 - 10	20	6	08.04 03 11
13,5	6 - 12	22	6,5	08.04 03 13
16	10 - 14	24	6,5	08.04 03 16
21	13 - 18	30	7	08.04 03 21
29	18 - 25	40	8	08.04 03 29
36	22 - 32	50	10	08.04 03 36
42	30 - 38	58	12	08.04 03 42
48	34 - 44	64	14	08.04 03 48
Metrisch				
M 12 x 1,5	3 - 6,5	14	6	08.08 04 12
M 16 x 1,5	4 - 8	20	7	08.08 04 16
M 20 x 1,5	6 - 12	22	8	08.08 04 20
M 25 x 1,5	10 - 14	27	8	08.08 04 25
M 32 x 1,5	13 - 18	30	9	08.08 04 32
M 40 x 1,5	18 - 25	40	9	08.08 04 40
M 50 x 1,5	22 - 32	50	9	08.08 04 50
M 63 x 1,5	34 - 44	64	14	08.08 04 63



Type	Blind plug
Material	brass nickel-plated
Sealing insert	NBR
Ingress protection	IP 68
Temperature range	-40°C to +100°C

Type	Cable Ø	AF*	TL*	Order No.
PG				
7		15	5	08.04 06 07
9		18	5	08.04 06 09
11		22	5	08.04 06 11
13,5		24	6	08.04 06 13
16		26	6	08.04 06 16
21		32	6	08.04 06 21
29		40	8	08.04 06 29
36		50	9	08.04 06 36
42		57	10	08.04 06 42
Metrisch				
M 12 x 1,5		14	5	08.09 04 12
M 16 x 1,5		18	5	08.09 04 16
M 20 x 1,5		22	6	08.09 04 20
M 25 x 1,5		28	7	08.09 04 25
M 32 x 1,5		35	8	08.09 04 32
M 40 x 1,5		44	8	08.09 04 40
M 50 x 1,5		54	9	08.09 04 50
M 63 x 1,5		67	10	08.09 04 63



Type	Counter nut
Material	brass nickel-plated

Type	Cable Ø	AF*	TL*	Order No.
PG				
7		15		08.04 09 07
9		18		08.04 09 09
11		21		08.04 09 11
13,5		23		08.04 09 13
16		26		08.04 09 16
21		32		08.04 09 21
29		41		08.04 09 29
Metrisch				
M 12 x 1,5		15		08.09 09 12
M 16 x 1,5		19		08.09 09 16
M 20 x 1,5		23		08.09 09 20
M 25 x 1,5		29		08.09 09 25
M 32 x 1,5		36		08.09 09 32
M 40 x 1,5		45		08.09 09 40
M 50 x 1,5		55		08.09 09 50
M 63 x 1,5		70		08.09 09 63

Brass Cable glands EMC versions and accessories



Type	Cable gland EMC
Material	brass nickel-plated
Sealing insert	PG: NBR Metric: neoprene
Ingress protection	IP 68 - 10 bar
Temperature range	PG: -40°C to +100°C Metric: -30°C to +100°C

Type	Cable Ø	AF*	TL*	Order No.
PG				
7	3 - 6,5	14	5	08.07 00 07
9	4 - 8	17	6	08.07 00 09
11	5 - 10	20	6	08.07 00 11
13.5	6 - 12	22	6,5	08.07 00 13
16	10 - 14	24	6,5	08.07 00 16
21	13 - 18	30	7	08.07 00 21
29	18 - 25	40	8	08.07 00 29
36	22 - 32	50	8	08.07 00 36
42	32 - 38	57	9	08.07 00 42
48	37 - 44	64	10	08.07 00 48
Metric				
M 12 x 1,5	3,5 - 7	16	6,5	08.07 01 12
M 16 x 1,5	4,5 - 9	20	7	08.07 01 16
M 20 x 1,5	7 - 12,5	24	8	08.07 01 20
M 25 x 1,5	9 - 16,5	29	8	08.07 01 25
M 32 x 1,5	11 - 21	36	9	08.07 01 32
M 40 x 1,5	19 - 28	45	9	08.07 01 40



Type	Counter nut EMC
Material	brass nickel-plated

Type	Cable Ø	AF*	TL*	Order No.
PG				
7		15		08.07 09 07
9		18		08.07 09 09
11		21		08.07 09 11
13.5		23		08.07 09 13
16		26		08.07 09 16
21		32		08.07 09 21
29		41		08.07 09 29
36		51		08.07 09 36
42		60		08.07 09 42
48		64		08.07 09 48
Metric				
M 12 x 1,5		15		08.07 08 12
M 16 x 1,5		19		08.07 08 16
M 20 x 1,5		24		08.07 08 20
M 25 x 1,5		30		08.07 08 25
M 32 x 1,5		36		08.07 08 32
M 40 x 1,5		46		08.07 08 40
M 50 x 1,5		60		08.07 08 50
M 63 x 1,5		70		08.07 08 63



Type	Pressure balance element
Material	Stainless steel 1.4305
Seal ring	NBR
Ingress protection	IP 66 / IP 69K
Air flow rate	0,4 l/min at 0,1 bar ΔP 5 l/min at 1 bar ΔP
Temperature range	-40°C to +105°C

Type	Cable Ø	AF*	TL*	Order No.
Metric				
M 12 x 1,5		17	10	08.50 10 12

* AF: width across flats
TL: thread length

How to choose the right enclosure

Various criteria have to be taken into account when selecting a enclosure:

- place of installation (inside/outside, Ex area, saltwater area etc.)
- size (depending on the internal equipment)
- protective function (type of protection, EMC resistance, Ex)

The following lists help you selecting the right enclosure for your special application.

I. Enclosure material specifications

Aluminium enclosure

- light-weight, sturdy metal enclosure
- good chemical resistance (see table)
- can be used for a large temperature range
- EMC basic screening (full screening as an option)
- good machining possibilities
- Applications: suitable for inside and outside, when used outside in an aggressive or saltwater environment, special version or Ex versions available

Polyester enclosure

- plastic enclosure for adverse environments
- good chemical resistance (see table)
- can be used for a large temperature range
- good insulation properties
- V-0 execution (acc. to UL)
- Applications: suitable for inside and outside; industrial standard enclosure

Polycarbonate enclosure

- light-weight plastic enclosure
- good chemical resistance (see table)
- can be used in a large temperature range
- good insulation properties
- good machining possibilities
- transparent executions possible (lid)
- Applications: suitable for inside and outside

ABS enclosure

- light-weight plastic enclosure
- good chemical resistance (see table)
- can be used in standard temperature ranges

Polystyrene enclosure

- light-weight plastic enclosure
- good chemical resistance (see table)
- can be used in standard temperature ranges

II. Ingress protection

The ingress protection of ROSE enclosures is classified in accordance with the generally applicable directives meeting EN 60529 and IEC 144.

The ingress protection are identified by a code composed of two always identical letters IP and two numbers indicating the degree of protection.

Degrees of protection relating to contact and foreign bodies

First number	Denomination
0	No protection
1	Protection against large foreign bodies
2	Protection against medium-sized foreign bodies
3	Protection against small foreign bodies
4	Protection against grainy foreign bodies
5	Protection against dust deposits
6	Protection against the ingress of dust

Degrees of protection relating to water

Second number	Denomination
0	No protection
1	Protection against vertically dripping water
2	Protection against dripping water at an angle???
3	Protection against water spray
4	Protection against water splashes
5	Protection against water jet
6	Protection against flooding
7	Protection when dipped
8	Protection when immersed

Note: The ingress protection indicated for the enclosures refer to the unmachined enclosures in the delivered state. Aging and temperature fluctuations might lead to a reduction of the degree of protection.