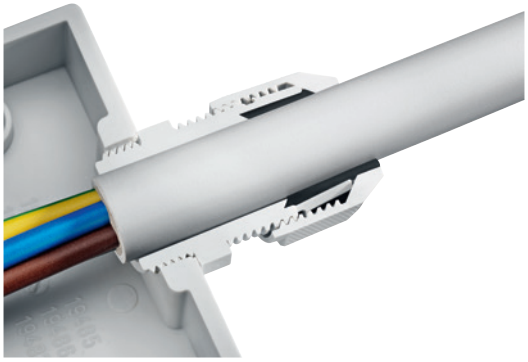
Synthetic cable glands

Use

Our synthetic cable glands are produced with a particular geometry that assures an equal cable compression having a large clamping and sealing areas designed for a secure and flexible everyday use. These cable glands are produced with a short or long thread for secure fastening with thread or counter nut. The elastic sealing rings have a good chemical resistance and they provide a reliable seal with a guaranteed IP 68 protection class. The large hexagonal element of the screw-down nuts ensures consistently reliable and secure hold when turning by hand and tightening with the tool.



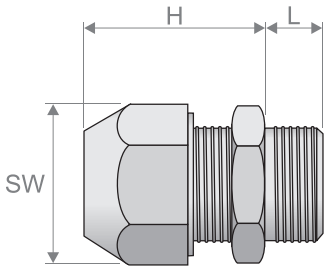
Technical data

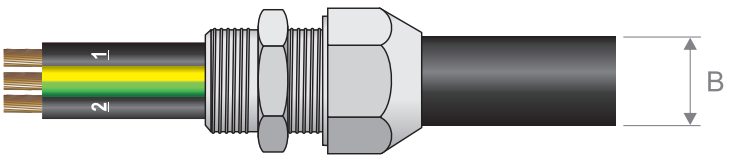
Characteristics	Value/property
Body material	Polyamide PA 6, halogen-free
Color	Light gray RAL 7035, Black RAL 9005*
Sealing ring material	TPE/CR (Neoprene), one-piece.
Compatible cables	Non-armoured cables
Temperature range	-30°C, +100°C
Protection class	IP68, NEMA 4X
Standards of construction	UL 514B (ccn QCRV, QCRV2, QCRV7, QCRV8) CSA C22.2 N. 18.3
Standards of use	NFPA 70 (NEC), NFPA 79, UL 508a CSA C22.1 (CE Code), CSA C22.2 N.301, CSA C22.2 N.286 UL 514B, CSA C22.2 N.18.3

* Color available upon request and with minimum applicable quantities. Black color is UV resistant (ISO 4892-2).

Coding and dimensions

Straight cable gland





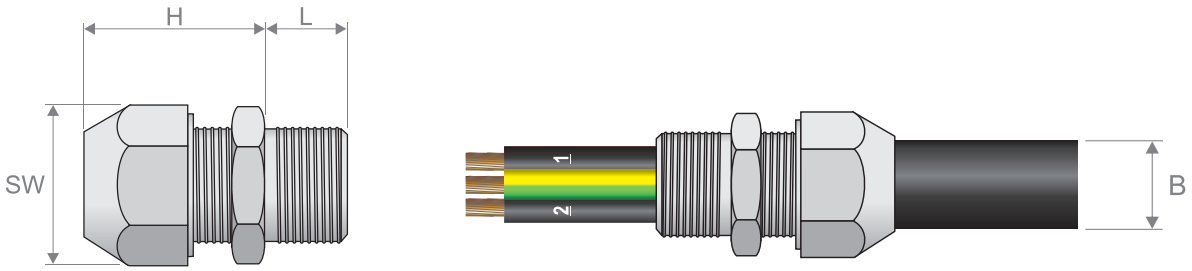
B = *Overall cable diameter*

Code	Thread	Tightening key SW [mm]	Cable diameter B Min/Max [mm]	Sizes [mm]		Packaging [pcs]
				H	L	
PCP100_M012X010□□ (1)	M12x1,5	15	2,5÷6,5	21,0	6,0	100
PCP100_M016X010□□ (1)	M16x1,5	19	2,0÷6,0	25,0	8,0	50
PCP100_M016X020□□ (1)	M16x1,5	19	5,0÷10,0	25,0	8,0	50
PCP100_M020X010□□ (1)	M20x1,5	24	3,5÷8,0	29,0	9,0	50
PCP100_M020X020□□ (1)	M20x1,5	24	7,0÷13,0	29,0	9,0	50
PCP100_M025X010□□ (1)	M25x1,5	29	5,0÷11,0	38,0	10,0	25

Code	Thread	Tightening key SW [mm]	Cable diameter Min/Max [mm]	Sizes [mm]		Packaging [pcs]
				H	L	
PCP100_M025X020□□ (1)	M25x1,5	29	10,0÷17,0	38,0	10,0	25
PCP100_M032X010□□ (2)	M32x1,5	42	17,0÷25,0	36,0	10,0	20
PCP100_P007X010□□ (1)	Pg 7	15	2,5÷6,5	21,0	8,0	100
PCP100_P009X010□□ (1)	Pg 9	19	3,0÷8,0	23,0	8,0	50
PCP100_P011X010□□ (1)	Pg 11	22	2,0÷7,0	25,0	8,0	50
PCP100_P011X020□□ (4)	Pg 11	22	4,0÷10,0	25,0	8,0	50
PCP100_P013X010□□ (1)	Pg 13	24	3,0÷7,0	26,0	9,0	50
PCP100_P013X020□□ (1)	Pg 13	24	5,5÷12,0	26,0	9,0	50
PCP100_P016X010□□ (1)	Pg 16	27	5,0÷11,0	30,0	10,0	50
PCP100_P016X020□□ (2)	Pg 16	27	8,5÷14,0	30,0	10,0	50
PCP100_P021X010□□ (1)	Pg 21	33	6,5÷14,0	35,0	11,0	25
PCP100_P021X020□□ (2)	Pg 21	33	11,0÷18,0	35,0	11,0	25
PCP100_P029X010□□ (2)	Pg 29	42	17,0÷25,0	36,0	11,0	20
PCP100_P036X010□□ (2)	Pg 36	53	22,0÷33,0	48,0	15,0	10
PCP100_P042X010□□ (2)	Pg 42	60	28,0÷38,0	48,0	15,0	5
PCP100_P048X010□□ (2)	Pg 48	65	32,0÷44,0	48,0	15,0	5
PCP100_N037X010□□ (1)	NPT 3/8"	19/22	3,0÷8,0	23,0	15,0	50
PCP100_N050X010□□ (1)	NPT 1/2"	24	3,0÷7,0	26,0	15,0	50
PCP100_N050X020□□ (2)	NPT 1/2"	24	5,5÷12,0	26,0	15,0	50
PCP100_N075X010□□ (1)	NPT 3/4"	33	6,5÷14,0	35,0	15,0	25
PCP100_N075X020□□ (2)	NPT 3/4"	33	11,0÷18,0	35,0	15,0	25
PCP100_N100X010□□ (2)	NPT 1"	42	17,0÷22,0	36,0	15,0	20

(1) c(UR)us Recognized certified (ccn QCRV2, QCRV8)
(2) c(UL)us Listed certified (ccn QCRV, QCRV7)
(4) Certified c(UR)us Recognized (ccn QCRV2, QCRV8) in all colors and c(UL)us Listed only in black color (ccn QCRV, QCRV7)

Long straight cable gland

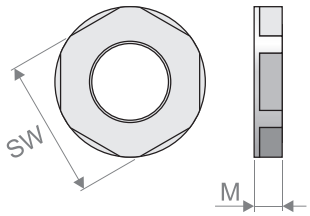


B = *Overall cable diameter*

Code	Thread	Tightening key SW [mm]	Cable diameter B Min/Max [mm]	Sizes [mm]		Packaging [pcs]
				H	L	
PCP101_M012X010□□ (1)	M12x1,5	15	2,5÷6,5	21,0	12,0	100
PCP101_M016X010□□ (1)	M16x1,5	19	2,0÷6,0	25,0	15,0	50
PCP101_M016X020□□ (1)	M16x1,5	19	5,0÷10,0	25,0	15,0	50
PCP101_M020X010□□ (1)	M20x1,5	24	3,5÷8,0	29,0	15,0	50
PCP101_M020X020□□ (1)	M20x1,5	24	7,0÷13,0	29,0	15,0	50
PCP101_M025X010□□ (1)	M25x1,5	29	5,0÷11,0	38,0	15,0	25
PCP101_M025X020□□ (1)	M25x1,5	29	10,0÷17,0	38,0	15,0	25
PCP101_M032X010□□ (2)	M32x1,5	42	17,0÷25,0	36,0	15,0	20
PCP101_M040X010□□ (2)	M40x1,5	53	22,0÷33,0	48,0	15,0	10
PCP101_M050X010□□ (2)	M50x1,5	60	28,0÷38,0	48,0	15,0	5
PCP101_M063X010□□ (3)	M63x1,5	65	32,0÷44,0	49,0	16,0	5

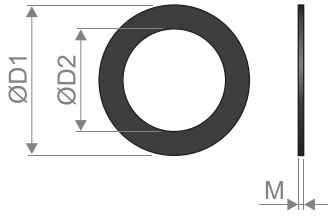
(1) c(UR)us Recognized certified (ccn QCRV2, QCRV8)
(2) c(UL)us Listed certified (ccn QCRV, QCRV7)
(3) Not c(UR)us Recognized and c(UL)us Listed certified

Lock nut with flange

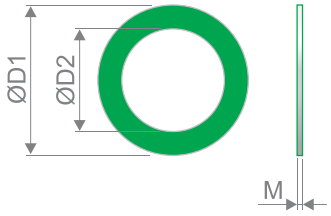


Code	Thread	Tightening key SW [mm]	Sizes M [mm]	Packaging [pcs]
PCFP10_M012X□□	M12x1,5	17	5,0	100
PCFP10_M016X□□	M16x1,5	22	5,0	100
PCFP10_M020X□□	M20x1,5	27	6,0	100
PCFP10_M025X□□	M25x1,5	33	6,7	100
PCFP10_M032X□□	M32x1,5	42	7,9	50
PCFP10_M040X□□	M40x1,5	48	8,4	50
PCFP10_M050X□□	M50x1,5	59	9,9	10
PCFP10_M063X□□	M63x1,5	73	11,0	10
PCFP10_P007X□□	Pg 7	19	5,0	100
PCFP10_P009X□□	Pg 9	21	5,0	100
PCFP10_P011X□□	Pg 11	24	5,0	100
PCFP10_P013X□□	Pg 13	27	6,0	100
PCFP10_P016X□□	Pg 16	30	6,0	100
PCFP10_P021X□□	Pg 21	36	7,0	50
PCFP10_P029X□□	Pg 29	46	8,0	50
PCFP10_P036X□□	Pg 36	59	8,0	25
PCFP10_P042X□□	Pg 42	65	8,0	10
PCFP10_P048X□□	Pg 48	69	8,0	10

Sealing washer



Perbunan



KlingerSIL C-4300

Code	Thread	Material	Temperature range	Sizes [mm]			Packaging [pcs]
				ØD1	ØD2	M	
PCG040_M012X	M12	Perbunan	-20°C/+100°C	20,0	12,0	1,6	50
PCG040_M016X	M16	Perbunan	-20°C/+100°C	23,0	16,0	1,8	50
PCG040_M020X	M20	Perbunan	-20°C/+100°C	29,0	20,0	1,8	50
PCG040_M025X	M25	Perbunan	-20°C/+100°C	37,0	25,0	1,8	50
PCG040_M032X	M32	Perbunan	-20°C/+100°C	44,0	32,0	2,2	25
PCG040_M040X	M40	Perbunan	-20°C/+100°C	52,0	40,0	2,2	25
PCG040_M050X	M50	Perbunan	-20°C/+100°C	64,0	50,0	2,7	25
PCG040_M063X	M63	Perbunan	-20°C/+100°C	68,0	63,0	3,2	10
PCG040_P007X	Pg 7	Perbunan	-20°C/+100°C	16,0	11,5	2,0	50
PCG040_P009X	Pg 9	Perbunan	-20°C/+100°C	19,0	14,0	2,0	50
PCG040_P011X	Pg 11	Perbunan	-20°C/+100°C	22,5	18,5	2,0	50
PCG040_P013X	Pg 13	Perbunan	-20°C/+100°C	25,0	19,0	2,0	50
PCG040_P016X	Pg 16	Perbunan	-20°C/+100°C	27,0	21,0	2,0	50
PCG040_P021X	Pg 21	Perbunan	-20°C/+100°C	34,0	27,0	2,5	25
PCG040_P029X	Pg 29	Perbunan	-20°C/+100°C	43,0	35,0	2,5	25
PCG040_P036X	Pg 36	Perbunan	-20°C/+100°C	54,0	45,0	2,5	25

Code	Thread	Material	Temperature range	Sizes [mm]			Packaging [pcs]
				ØD1	ØD1	M	
PCG030_M006X	M6	KlingerSIL C-4300	-40°C/+300°C	10,0	6,0	1,5	50
PCG030_M008X	M8	KlingerSIL C-4300	-40°C/+300°C	12,0	8,0	1,5	50
PCG030_M010X	M10	KlingerSIL C-4300	-40°C/+300°C	14,0	10,0	1,5	50
PCG030_M012X	M12	KlingerSIL C-4300	-40°C/+300°C	16,0	12,0	1,5	50
PCG030_M016X	M16	KlingerSIL C-4300	-40°C/+300°C	21,0	16,0	1,5	50
PCG030_M020X	M20 / Pg 13	KlingerSIL C-4300	-40°C/+300°C	25,0	20,5	1,5	50
PCG030_M025X	M25	KlingerSIL C-4300	-40°C/+300°C	31,0	25,0	2,0	50
PCG030_M032X	M32	KlingerSIL C-4300	-40°C/+300°C	39,0	32,0	2,0	50
PCG030_M040X	M40	KlingerSIL C-4300	-40°C/+300°C	48,0	40,0	2,0	50
PCG030_M050X	M50	KlingerSIL C-4300	-40°C/+300°C	59,0	50,0	2,0	50
PCG030_M063X	M63	KlingerSIL C-4300	-40°C/+300°C	73,0	63,0	2,0	50
PCG030_P007X	Pg 7	KlingerSIL C-4300	-40°C/+300°C	16.5	12.5	1.5	50
PCG030_P009X	Pg 9	KlingerSIL C-4300	-40°C/+300°C	19.0	15.2	1.5	50
PCG030_P011X	Pg 11	KlingerSIL C-4300	-40°C/+300°C	22.5	18.5	1.5	50
PCG030_P016X	Pg 16	KlingerSIL C-4300	-40°C/+300°C	27.0	22.5	1.5	50
PCG030_P021X	Pg 21	KlingerSIL C-4300	-40°C/+300°C	33.5	28.5	2.0	50
PCG030_P029X	Pg 29	KlingerSIL C-4300	-40°C/+300°C	43.5	37.0	2.0	50
PCG030_P036X	Pg 36	KlingerSIL C-4300	-40°C/+300°C	55.0	47.0	2.0	50
PCG030_P042X	Pg 42	KlingerSIL C-4300	-40°C/+300°C	63.0	54.0	2.0	50
PCG030_P048X	Pg 48	KlingerSIL C-4300	-40°C/+300°C	69.0	59.3	2.0	50

Code composition

Cable gland

PC □□□□ _ □ □□□ **X** □□□ □□

Family
Code depending on the glands' family.

Version	To be interted
Metric	M
PG	P
NPT	N

Thread	To be interted
M12, M16, …, M63	012, 016, …, 063
Pg 7, Pg 9, …, Pg 48	007, 009, …, 048
NPT 3/8", 1/2", …, 1"	037, 050, …, 100

Color	To be interted
Light grey RAL 7035	G1
Dark grey RAL 7001	GR
Black RAL 9005*	NE

* Color available upon request and with minimum applicable quantities.

Diameter range
Code depending on the cable range.

Lock nut

PC □□□□ _ □ □□□ □□

Family
Code depending on the lock nuts' family.

Version	To be interted
Metric	**M**
PG	**P**

Thread	To be interted
M12, M16, …, M63	012, 016, …, 063
Pg 7, Pg 9, …, Pg 48	007, 009, …, 048

Color	To be interted
Light grey RAL 7035	G1
Black RAL 9005*	NE

* Color available upon request and with minimum applicable quantities.

Sealing washer

PC □□□□ _ □ □□□

Family
Code depending on the sealing washers' family.

Version	To be interted
Metric	M
PG	P

Thread	To be interted
M12, M16, …, M63	012, 016, …, 063
Pg 7, Pg 9, …, Pg 48	007, 009, …, 048