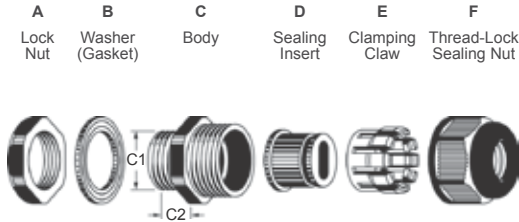


## 210-8510 Flat-Hole Insert Cable Glands (A-Type)

PATENTED

Metric

PG



- Thread Type : Metric and PG.
- Material Data : Halogen-free Nylon PA 66 ( Flammability UL 94V-2 ) for A.C.E.F parts. ( Contact us for Flammability V0 material ) Standard in weather-resistant EPDM rubbers for B.D parts. ( NBR rubber is optional for oil-resistance applications )  
Our black cable glands are suitable for outdoor use have been subjected to UV light exposure and water immersion same as UL746C (f1) rating. UV ( Irradiance 340 nm ) exposure is performed by using a xenon-arc weatherometer for 1000 hours and intermittent exposure to water spray.
- IP Protection : IP68 - depending on the less differences between cable diameters & sealing-hole openings. ( Less is Better )
- Working Temp. : - 40 °C to 105 °C ( - 40 °F to 221 °F ). Short-Term to 160 °C ( 320 °F ).
- Application : With AVC's unique clamping design, a ( multi ) flat-hole cable gland allows flat cable(s) to be lead through it ( simultaneously ) and can provides excellent watertight performance even for the flat type wire(s). These high quality multi-flat-hole cable glands are available upon request which are the best solutions to minimize the costs, spaces and working time for used on any kind of outdoor / indoor equipment.
- \* Contact us for designing & ordering different sealing hole patterns with varying diameters & other extended gland sizes. ( Sealing Inserts are not sold separately )
- \* AVC sealing inserts are available in split versions for mounting wires with pre-assembled terminals or connectors. ( Minimum order quantity is required )
- \* The Washer ( Gasket ) and Lock Nut are all included in each cable gland, this saves additional ordering work and storage locations.

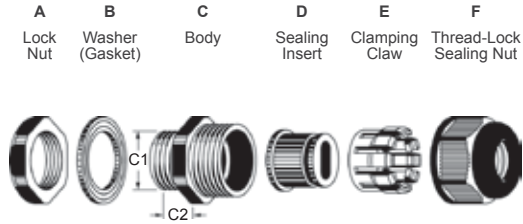
Seal Holes	Thread	Cat. No.			Cable Range mm	Thread O. D. C1 mm	Panel Mounting Hole mm	Thread Length C2 mm	Spanner Size A / F mm	Body Min. I. D. mm	Std. Pkg. pcs		
		Sizes	Black RAL 9005	Light Grey RAL 7035								Silver Grey RAL 7001	
Short Thread	M16 X 1.5	MG16AS - 0207	B	G	SG	2.3 X 7.1	16	16 ~ 16.3	10	22 / 19	7.8	50	
		MG16A - 0610 - ST	B	G	SG	6 X 10	16	16 ~ 16.3	10	22 / 22	10.5	50	
	M20 X 1.5	MG20A - 0610	B	G	SG	6 X 10	20	20 ~ 20.3	10	24 / 22	10	50	
		MG20A - 0612 - ST	B	G	SG	6.5 X 12	20	20 ~ 20.3	10	27 / 27	14	50	
		MG20A - 0614 - ST	B	G	SG	6 X 14	20	20 ~ 20.3	10	27 / 27	14	50	
		MG20A - 0712 - ST	B	G	SG	7 X 12	20	20 ~ 20.3	10	27 / 27	14	50	
	M25 X 1.5	MG20A - 0714 - ST	B	G	SG	7 X 14	20	20 ~ 20.3	10	27 / 27	14	50	
		MG25AS - 0612	B	G	SG	6.5 X 12	25	25 ~ 25.4	12	33 / 27	14	50	
		MG25AS - 0614	B	G	SG	6 X 14	25	25 ~ 25.4	12	33 / 27	14	50	
		MG25A - 0614 - ST	B	G	SG	6 X 14	25	25 ~ 25.4	10	33 / 33	19	50	
		MG25AS - 0712	B	G	SG	7 X 12	25	25 ~ 25.4	12	33 / 27	14	50	
		MG25AS - 0714	B	G	SG	7 X 14	25	25 ~ 25.4	12	33 / 27	14	50	
	M32 X 1.5	MG25A - 0714 - ST	B	G	SG	7 X 14	25	25 ~ 25.4	10	33 / 33	19	50	
		MG32AS - 0614	B	G	SG	6 X 14	32	32 ~ 32.4	12	41 / 33	19	10	
	M40 X 1.5	MG32AS - 0714	B	G	SG	7 X 14	32	32 ~ 32.4	12	41 / 33	19	10	
		MG32A - 0822 - ST	B	G	SG	8 X 22	32	32 ~ 32.4	11	41 / 42	25	10	
FLAT HOLE	M12 X 1.5	MG40A - 1028 - ST	B	G	SG	10 X 28.5	40	40 ~ 40.4	12	50 / 52	32	10	
		MG40A - 0529 - ST	B	G	SG	5.5 X 29	40	40 ~ 40.4	12	50 / 52	32	10	
	Long Thread	M12 X 1.5	MG12A - 0207	B	G	SG	2.3 X 7.1	12	12 ~ 12.3	9	18 / 19	7.8	50
		M16 X 1.5	MG16A - 0610	B	G	SG	6 X 10	16	16 ~ 16.3	15	22 / 22	10.5	50
		M20 X 1.5	MG20AM - 0511	B	G	SG	5 X 11.5	20	20 ~ 20.3	15	24 / 24	12.5	50
			MG20A - 0612	B	G	SG	6.5 X 12	20	20 ~ 20.3	15	27 / 27	14	50
		M25 X 1.5	MG20A - 0614	B	G	SG	6 X 14	20	20 ~ 20.3	15	27 / 27	14	50
			MG20A - 0712	B	G	SG	7 X 12	20	20 ~ 20.3	15	27 / 27	14	50
			MG20A - 0714	B	G	SG	7 X 14	20	20 ~ 20.3	15	27 / 27	14	50
			MG25A - 0614	B	G	SG	6 X 14	25	25 ~ 25.4	15	33 / 33	19	50
		M32 X 1.5	MG25A - 0714	B	G	SG	7 X 14	25	25 ~ 25.4	15	33 / 33	19	50
			MG32A - 0822	B	G	SG	8 X 22	32	32 ~ 32.4	15	41 / 42	25	10
	M40 X 1.5	MG40A - 1028	B	G	SG	10 X 28.5	40	40 ~ 40.4	20	50 / 52	32	10	
	M40 X 1.5	MG40A - 0529	B	G	SG	5.5 X 29	40	40 ~ 40.4	20	50 / 52	32	10	
	PG 7	PGA7 - 0207	B	G	SG	2.3 X 7.1	12.5	12.5 ~ 12.8	8.5	17 / 19	8	50	
	PG 9	PGA9 - 0207	B	G	SG	2.3 X 7.1	15.2	15.2 ~ 15.5	9	22 / 19	8	50	
PG 11	PGA11 - 0610	B	G	SG	6 X 10	18.6	18.6 ~ 18.9	10	24 / 22	10.5	50		
PG 13.5	PGA13.5 - 0511	B	G	SG	5 X 11.5	20.4	20.4 ~ 20.7	10	27 / 24	12.5	50		
PG 16	PGA16 - 0612	B	G	SG	6.5 X 12	22.5	22.5 ~ 22.8	11	30 / 27	14	50		
	PGA16 - 0614	B	G	SG	6 X 14	22.5	22.5 ~ 22.8	11	30 / 27	14	50		
	PGA16 - 0712	B	G	SG	7 X 12	22.5	22.5 ~ 22.8	11	30 / 27	14	50		
	PGA16 - 0714	B	G	SG	7 X 14	22.5	22.5 ~ 22.8	11	30 / 27	14	50		
PG 21	PGA21 - 0614	B	G	SG	6 X 14	28.3	28.3 ~ 28.7	12.5	36 / 33	18.5	50		
PG 21	PGA21 - 0714	B	G	SG	7 X 14	28.3	28.3 ~ 28.7	12.5	36 / 33	18.5	50		
PG 29	PGA29 - 0822	B	G	SG	8 X 22	37	37 ~ 37.4	12	46 / 42	25	10		
PG 36	PGA36 - 1028	B	G	SG	10 X 28.5	47	47 ~ 47.4	15	57 / 52	30.5	10		
	PGA36 - 0529	B	G	SG	5.5 X 29	47	47 ~ 47.4	15	57 / 52	30.5	10		

## 210-8510 Flat-Hole Insert Cable Glands (A-Type)


PATENTED

G (PF)

NPT



- Thread Type : G ( PF ) and NPT ( Without lock nut ) .
  - Material Data : Halogen-free Nylon PA 66 ( Flammability UL 94V-2 ) for A.C.E.F parts. ( Contact us for Flammability V0 material )  
Standard in weather-resistant EPDM rubbers for B.D parts. ( NBR rubber is optional for oil-resistance applications )  
**Our black cable glands are suitable for outdoor use have been subjected to UV light exposure and water immersion same as UL746C (f1) rating. UV ( Irradiance 340 nm ) exposure is performed by using a xenon-arc weatherometer for 1000 hours and intermittent exposure to water spray.**
  - IP Protection : IP68 - depending on the less differences between cable diameters & sealing-hole openings. ( Less is Better )
  - Working Temp. : - 40 °C to 105 °C ( - 40 °F to 221 °F ). Short-Term to 160 °C ( 320 °F ).
  - Application : With AVC's unique clamping design, a ( multi ) flat-hole cable gland allows flat cable(s) to be lead through it ( simultaneously ) and can provides excellent watertight performance even for the flat type wire(s). These high quality multi-flat-hole cable glands are available upon request which are the best solutions to minimize the costs, spaces and working time for used on any kind of outdoor / indoor equipment.
- \* Contact us for designing & ordering different sealing hole patterns with varying diameters & other extended gland sizes. ( Sealing Inserts are not sold separately )  
\* AVC sealing inserts are available in split versions for mounting wires with pre-assembled terminals or connectors. ( Minimum order quantity is required )

Seal Holes	Thread	Cat. No.				Cable Range mm	Thread O. D. C1 mm	Panel Mounting Hole mm	Thread Length C2 mm	Spanner Size A / F mm	Body Min. I. D. mm	Std. Pkg. pcs
		Sizes	Black RAL 9005	Light Grey RAL 7035	Silver Grey RAL 7001							
FLAT HOLE 	1/4	FGA13 - 0207	B	G	SG	2.3 X 7.1	13.157	13.2 ~ 13.4	9	19 / 19	8	50
		FGA17 - 0610	B	G	SG	6 X 10	16.662	16.7 ~ 16.9	10	22 / 22	10.5	50
	1/2	FGA21M - 0511	B	G	SG	5 X 11.5	20.955	21 ~ 21.2	10	27 / 24	12.5	50
		FGA21S - 0610	B	G	SG	6 X 10	20.955	21 ~ 21.2	10	27 / 22	10.5	50
		FGA21L - 0612	B	G	SG	6.5 X 12	20.955	21 ~ 21.2	10	27 / 27	14	50
		FGA21H - 0612	B	G	SG	6.5 X 12	20.955	21 ~ 21.2	15	27 / 27	14	50
		FGA21L - 0614	B	G	SG	6 X 14	20.955	21 ~ 21.2	10	27 / 27	14	50
		FGA21H - 0614	B	G	SG	6 X 14	20.955	21 ~ 21.2	15	27 / 27	14	50
		FGA21L - 0712	B	G	SG	7 X 12	20.955	21 ~ 21.2	10	27 / 27	14	50
		FGA21H - 0712	B	G	SG	7 X 12	20.955	21 ~ 21.2	15	27 / 27	14	50
	3/4	FGA21L - 0714	B	G	SG	7 X 14	20.955	21 ~ 21.2	10	27 / 27	14	50
		FGA21H - 0714	B	G	SG	7 X 14	20.955	21 ~ 21.2	15	27 / 27	14	50
		FGA26S - 0612	B	G	SG	6.5 X 12	26.441	26.5 ~ 26.8	12	33 / 27	14	50
		FGA26S - 0614	B	G	SG	6 X 14	26.441	26.5 ~ 26.8	12	33 / 27	14	50
		FGA26 - 0614	B	G	SG	6 X 14	26.441	26.5 ~ 26.8	12.5	33 / 33	19	50
		FGA26S - 0712	B	G	SG	7 X 12	26.441	26.5 ~ 26.8	12	33 / 27	14	50
	1	FGA26S - 0714	B	G	SG	7 X 14	26.441	26.5 ~ 26.8	12	33 / 27	14	50
		FGA26 - 0714	B	G	SG	7 X 14	26.441	26.5 ~ 26.8	12.5	33 / 33	19	50
		FGA33S - 0614	B	G	SG	6 X 14	33.249	33.3 ~ 33.6	12	42 / 33	19	10
		FGA33S - 0714	B	G	SG	7 X 14	33.249	33.3 ~ 33.6	12	42 / 33	19	10
1 1/4	FGA33 - 0822	B	G	SG	8 X 22	33.249	33.3 ~ 33.6	15	42 / 42	25	10	
	FGA42 - 1028	B	G	SG	10 X 28.5	41.91	42 ~ 42.3	15	53 / 52	32	10	
		FGA42 - 0529	B	G	SG	5.5 X 29	41.91	42 ~ 42.3	15	53 / 52	32	10
NPT 3/8	NPA17 - 0610	B	G	SG	6 X 10	17.055	-	13	22 / 22	10.5	50	
	NPA21 - 0612	B	G	SG	6.5 X 12	21.223	-	13	27 / 27	14	50	
NPT 1/2	NPA21 - 0614	B	G	SG	6 X 14	21.223	-	13	27 / 27	14	50	
	NPA21 - 0712	B	G	SG	7 X 12	21.223	-	13	27 / 27	14	50	
	NPA21 - 0714	B	G	SG	7 X 14	21.223	-	13	27 / 27	14	50	
NPT 3/4	NPA26 - 0614	B	G	SG	6 X 14	26.568	-	15	33 / 33	19	50	
	NPA26 - 0714	B	G	SG	7 X 14	26.568	-	15	33 / 33	19	50	
NPT 1	NPA33 - 0822	B	G	SG	8 X 22	33.227	-	17	42 / 42	25	10	