TECHNICAL DATA

CABLE GLAND TYPE : Type 324, 348, 367, 368, 327, 350, 323 & 347
INGRESS PROTECTION : IP66 / IP67
PROCESS CONTROL SYSTEM : BS EN ISO 9001

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

Cable Gland Size	Clearance Hole Diameter	Cable Bedding Diameter	Overall Cable Diameter		Armour Range +		Across Flats	Across Corners	Protrusion Length	Ordering Reference (i.e. B350)	PVC Shroud Ref *	Cable Gland Weight (Kgs) i.e. B327
		Max	Min	Max	Min	Max	Max	Max				
20s	20.5	11.7	9.5	15.9	0.9	1.25	24.0	25.9	58.0	20SB3501RA	PVC04	0.187
20	20.5	14.0	12.5	20.9	0.9	1.25	30.5	32.9	65.0	20B3501RA	PVC06	0.235
25s	25.5	20.0	14.0	22.0	1.25	1.6	37.5	40.5	70.0	25SB3501RA	PVC09	0.334
25	25.5	20.0	18.2	26.2	1.25	1.6	37.5	40.5	70.0	25B3501RA	PVC09	0.334
32	32.5	26.3	23.7	33.9	1.6	2.0	46.0	49.7	70.0	32B3501RA	PVC11	0.458
40	40.5	32.2	27.9	40.4	1.6	2.0	55.0	59.4	70.0	40B3501RA	PVC15	0.689
50s	50.5	38.2	35.2	46.7	2.0	2.5	60.0	64.8	72.0	50SB3501RA	PVC18	0.863
50	50.5	44.1	40.5	53.1	2.0	2.5	70.0	75.6	86.0	50B3501RA	PVC21	1.028
63s	63.5	50.0	45.6	59.4	2.0	2.5	75.0	81.0	86.0	63SB3501RA	PVC23	1.589
63	63.5	56.0	54.6	65.9	2.0	2.5	80.0	86.4	96.0	63B3501RA	PVC25	1.587
75s	75.5	62.0	59.0	72.1	2.0	2.5	89.0	96.1	98.0	75SB3501RA	PVC28	2.229
75	75.5	68.0	66.7	78.5	2.5	3.0	99.0	106.9	111.0	75B3501RA	PVC30	2.534
90	90.5	80.0	76.2	90.4	3.15	3.15	114.0	123.1	136.0	90B3501RA	PVC32	4.204

Dimensions are displayed in millimetres unless otherwise stated

Please Note :

1) The above shows ordering reference for B350, for other types please replace 350 with 348, 367 etc
2) For Aluminium glands please replace the "B" in the part number with an "A" i.e. 20A3501RA.
3) 323/347 only available in sizes 20s, 20, 25, & 32

ACCESSORIES

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-
Shroud

I, the undersigned, hereby declare that the equipment referred to herein conforms to 94/9/EC directive.

G. I. Mood

Dr Geof Mood - Technical Director - (Authorised Person)

Glasshouse Street • St. Peters • Newcastle upon Tyne • NE6 1BS
Tel: +44 191 265 7411 • Fax: +44 191 265 0581
E-Mail: cmp@cmp-products.com • Web: www.cmp-products.com

CE

CMP PRODUCTS

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES

A324 & A348 / A367 & A368 / A327 & A350 / A323 & A347

B324 & B348 / B367 & B368 / B327 & B350 / B323 & B347

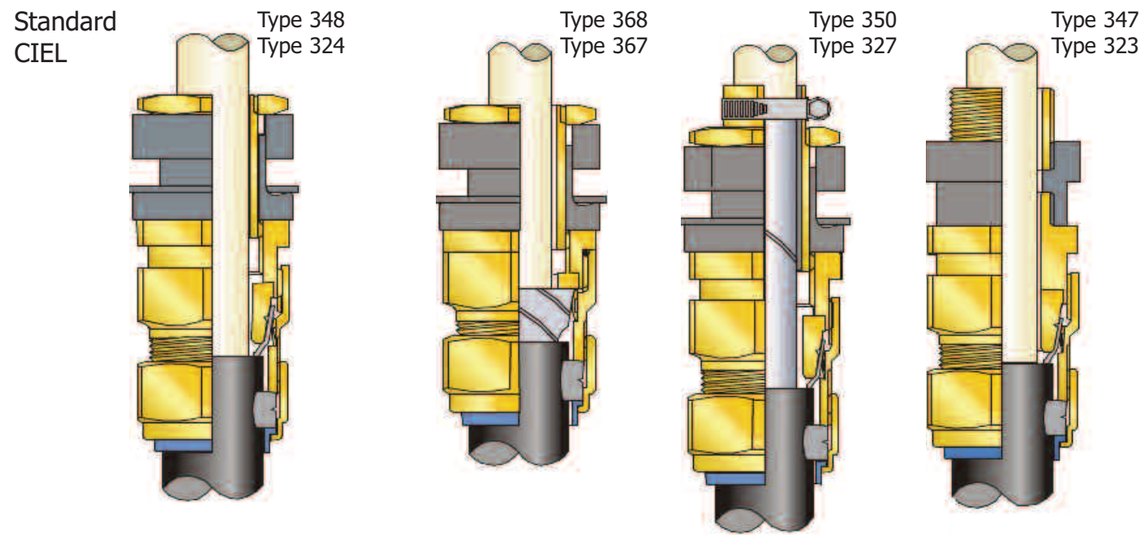
INSULATED CABLE GLAND FOR USE WITH SWA / TAPE ARMOUR / DSTA, ACCORDING TO MODEL TYPE. THESE GLANDS ARE USED WHERE IT IS ESSENTIAL TO COMPLETELY INSULATE THE CABLE GLAND FROM THE EQUIPMENT EARTH.

THE GLANDS ARE AVAILABLE IN STANDARD FORM AND ALSO COMPLETE WITH A CAST INTEGRAL EARTH LUG. THIS ENABLES EARTHING OF THE CABLE ARMOUR TO TAKE PLACE AT ONE END OF THE CABLE ONLY.

GLAND TYPE NAMES PREFIXED WITH "A" ARE MADE IN ALUMINIUM
GLAND TYPE NAMES PREFIXED WITH "B" ARE MADE IN BRASS

INCORPORATING EC DECLARATION OF CONFORMITY TO DIRECTIVE 94/9/EC

CMP INSULATED CABLE GLANDS



Type 348 is for SWA cable. The gland is fitted to a clearance hole.

Type 324 is like the type 348 and has a Cast Integrated Earth Lug (CIEL) for high fault currents.

Type 368 is for DSTA cable. The gland is fitted to a clearance hole.

Type 367 is like the type 368 and has a Cast Integrated Earth Lug (CIEL) for high fault currents.

CMP PRODUCTS

Type 350 is for SWA cable with an inner tape sheath. It has an earthing clamp for the tape inner sheath. The gland is fitted to a clearance hole.

Type 327 is like the Type 350 and has a Cast Integreated Earth Lug (CIEL) for high fault currents.

Type 347 is for SWA cable. The gland is fitted to a threaded entry hole.

Type 323 is like the Type 347 and has a Cast Integrated Earth Lug (CIEL) for high fault currents.

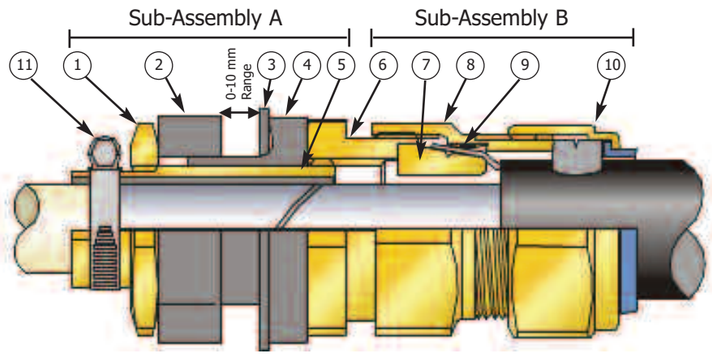
CMP Document No. FI418 Issue 1 02/11

Logo's shown for illustration purposes only. Please check certification for details

INSTALLATION INSTRUCTIONS FOR CMP INSULATED CABLE GLANDS
(Type 327/350 shown for illustration purposes - other glands are similar)

CABLE GLAND COMPONENTS

1. Locknut
2. Insulating Washer
3. Entry Seal
4. Insulating Bush
5. Tube
6. Entry Item
7. Reversible Armour Cone
8. Body
9. AnyWay Sleeve
10. Outer Seal Assembly
11. Earth Clamp for Inner Sheath



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

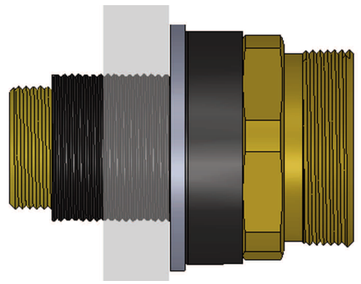
1. Unscrew and remove items 7, 8, 9 & 10 as Sub-Assembly B. Note that the cone (7) and AnyWay Sleeve (9) are loose items.

2. Unscrew and remove the Locknut (1), Earth Clamp (11) when fitted and Insulating Washer (2) from Assembly A. (Does not apply to the Type 323 & 347 Glands.)

3. For Type 323 and 347 Glands, screw entry item into enclosure. Go to step 7.

4. For all other insulated glands fit the remainder of Assembly A to the enclosure by pasing Item 4 through the clearance hole. Ensure the Entry Seal (3) is fitted.

5. Fit the Washer (2) over the Insulating Bush (4) which is protruding from the gland plate.

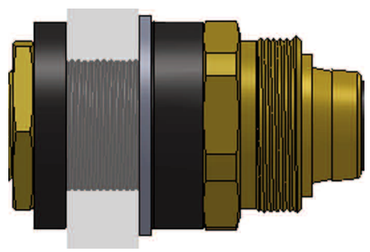


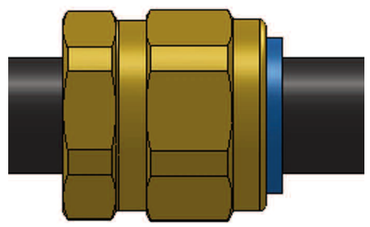
6. Replace the Locknut (1) and tighten onto tube (5).

NOTE: There is an appreciable gap between the Entry Seal (3) and the Washer (2). (This gap can be varied as the gland is designed to accomodate a glandplate thickness of 10mm down to 1mm).

The gap can be closed by continuing to screw the Locknut (1) onto item (5) until no further movement is possible, at which point item 5 continues to be screwed into item 6. Continue until the gap is closed and the Seal Washer (3) is compressed enough to effect a seal.

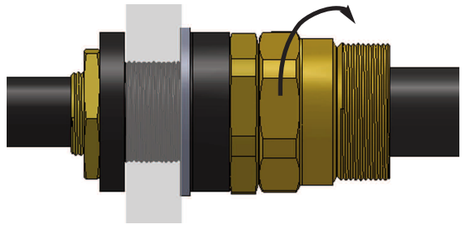
7. Pass the Sub-Assembly B and AnyWay Clamping Ring (9) over the cable, outer seal first. Insert the Reversible Armour Cone (7) into the Sub-Assembly A.

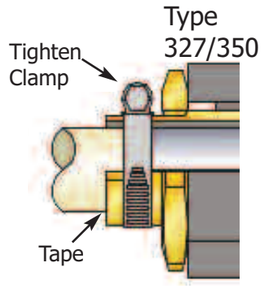




8. Pass the cable through Sub-Assembly A, spacing the armour or tape evenly around the cone. Whilst continuing to gently push the cable forward to keep the cable armour in contact with the cone, tighten the Body (8) onto the Entry Component (6) until the components are metal to metal. (Note: Tape Armour may need to be cut into strips to ease installation.)

8.A. The tape inner sheath on cables used with Types 327 & 350 Glands should be brought through the gland into the enclosure, looped back on itself and secured to the gland using the supplied Earth Clamp.



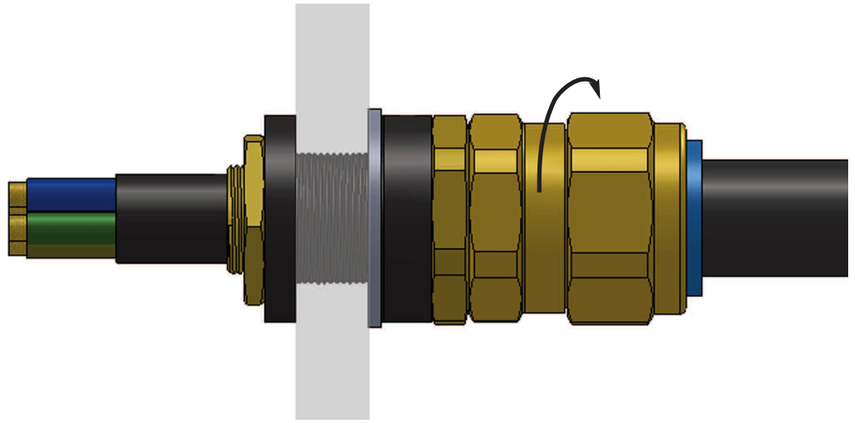


9. Tighten the Outer Seal Nut (10) until to comes to an effective stop.

This will occur when :-

A) The Outer Seal Nut (10) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.

B) The Outer Seal Nut (10) is metal to metal with the body of the gland (8). (This is only possible if the cable is at the lower end of the size range for the gland.)



Typically the outer seal is correctly tightened if the nut is tightened until the seal contacts the cable and then one full turn further.