



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.

ACCESSORIES

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

Cable Gland Size	Clearance Hole Diameter	Cable Bedding Diameter Max	Overall Cable Diameter		Armour Range		Across Flats Max	Across Corners Max	Protrusion Length	Ordering Reference (Brass Metric)		Shroud (B350)	Cable Gland Weight (Kgs)
			Min	Max	Min	Max				With CIEL Lug (B327)	Without CIEL Lug (B350)		
20S	20.6	11.6	9.5	15.9	0.8	1.25	24.0	26.4	58.6	20SB3271RA	20SB3501RA	PVC04	0.160
20	20.6	13.4	12.5	20.9	0.8	1.25	30.5	33.6	59.9	20B3271RA	20B3501RA	PVC06	0.220
25S	25.6	18.9	14.0	22.0	1.25	1.6	37.5	41.3	69.1	25SB3271RA	25SB3501RA	PVC09	0.340
25	25.6	18.9	18.2	26.2	1.25	1.6	37.5	41.3	69.1	25B3271RA	25B3501RA	PVC09	0.340
32	32.6	24.9	23.7	33.9	1.6	2.0	46.0	50.6	67.6	32B3271RA	32B3501RA	PVC11	0.440
40	40.6	31.9	27.9	40.4	1.6	2.0	55.0	60.5	73.1	40B3271RA	40B3501RA	PVC15	0.710
50S	50.7	37.9	35.2	46.7	2.0	2.5	60.0	66.0	72.1	50SB3271RA	50SB3501RA	PVC18	0.820
50	50.7	42.9	40.4	53.0	2.0	2.5	70.1	77.1	74.2	50B3271RA	50B3501RA	PVC21	1.060
63S	63.7	50.1	45.6	59.4	2.0	2.5	75.0	82.5	86.2	63SB3271RA	63SB3501RA	PVC23	1.510
63	63.7	55.4	54.6	65.8	2.0	2.5	80.0	88.0	86.1	63B3271RA	63B3501RA	PVC25	1.530
75S	75.7	61.9	59.0	72.0	2.0	2.5	90.0	99.0	96.5	75SB3271RA	75SB3501RA	PVC28	2.100
75	75.7	67.4	66.7	78.4	2.5	3.0	100.0	110.0	95.3	75B3271RA	75B3501RA	PVC30	2.620
90	90.8	74.9	76.2	90.3	3.15	4.0	114.0	126.5	107.6	90B3271RA	90B3501RA	PVC32	3.740

Dimensions are displayed in millimetres unless otherwise stated

B327/B350 table shown

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.

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES

A324 & A348 / A367 & A368 / A327 & A350 / A323 & A347
B324 & B348 / B367 & B368 / B327 & B350 / B323 & B347

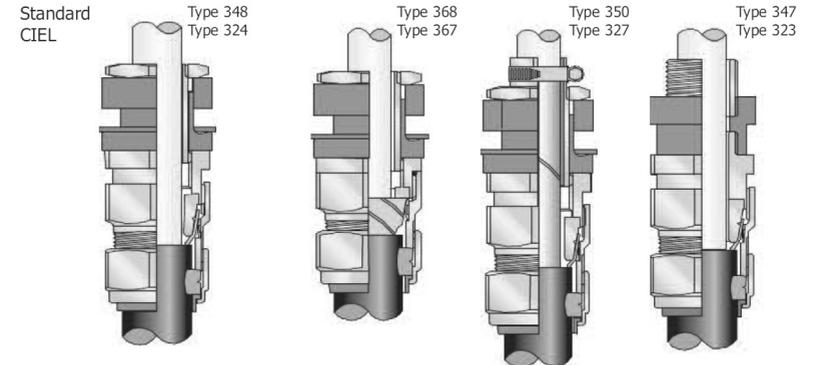
INSULATED CABLE GLAND FOR USE WITH SWA / TAPE ARMOUR / DSTA, ACCORDING TO MODEL TYPE. THESE GLANDS ARE USED WHERE IT IS ESSENTIAL TO COMPLETELY INSULATE THE CABLE GLAND FROM THE EQUIPMENT EARTH.

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 NAMES PREFIXED WITH "A" ARE MADE IN ALUMINIUM

GLAND NAMES PREFIXED WITH "B" ARE MADE IN BRASS

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.

Type 350 is for SWA cable with an inners 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 Integrated 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.



FI418		
Certification	Revision	Date
IFS	3	10/18

Glasshouse Street • St. Peters • Newcastle upon Tyne • NE6 1BS
 Tel: +44 191 265 7411 • Fax: +44 1670 715 646
 E-Mail: customerservices@cmp-products.co.uk • Web: www.cmp-products.com

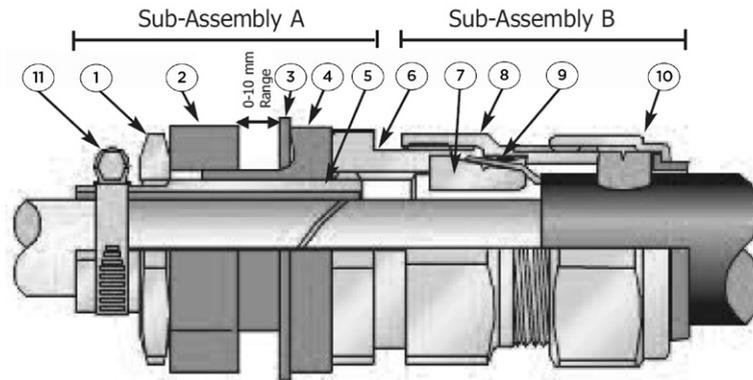


INSTALLATION INSTRUCTIONS FOR CMP INSULATED CABLE GLANDS

Type 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. 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

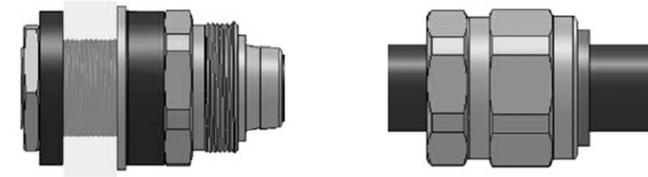
1. Unscrew and remove items 7, 8, 9 & 10 as Sub-Assembly B. Note that the cone (7) and AnyWay Sleeve (9) are loose items.
2. Unscrew and remove the Locknut (1), Earth Clamp (11) when fitted and Insulating Washer (2) from Assembly A. (Does not apply to the Type 323 & 347 Glands.)
3. For Type 323 and 347 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 passing 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).

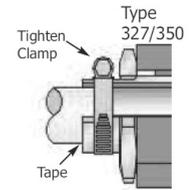
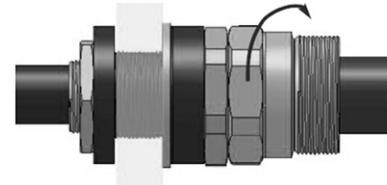
NOTE: There is an appreciable gap between the Entry Seal (3) and the Washer (2). (This gap can be varied as the gland is designed to accommodate a glandplate thickness of 10mm down to 1mm.) The gap can be closed by continuing to screw the Locknut (1) onto item (5) until no further movement is possible, 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 the seal.

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



8. Pass the cable through the 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. Only using finger pressure, tighten the outer seal nut assembly (6) until light resistance to tightening is met.

Then either use the outer seal tightening guide tape or table on the rear of the page to determine how much further to tighten the seal using a spanner (using the outer seal tightening guide is recommended).

Wrap the outer seal tightening guide tape around the cable to show the amount of spanner turns needed (as shown here). Make sure the correct side of the outer seal tightening guide tape is used depending on the cable gland size.

