

TECHNICAL DATA

CABLE GLAND TYPE : BWL, BWL CIEL
 DESIGN STANDARDS : BS6121:1989, EN50262
 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 :-
 Locknut | Earth Tag | Serrated Washer | Shroud *

Cable Gland Size	Entry Thread	Min Thread Length	Cable Bedding Diameter		Overall Cable Diameter		CW Armour Range +		CX Armour Range +		Across Flats Max	Across Corners Max	Protrusion Length	BWL Ordering Reference (Brass Metric)	BWL CIEL Ordering Reference (Brass Metric)	PVC Shroud Ref*	Cable Gland Weight (Kgs)
			Max	Min	Max	Min	Max	Min	Max								
20S/16	M20	10.0	8.7	6.1	11.5	0.9	1.0	0.0	1.0	24.0	25.9	43.0	20S16BWL1RA	20S16BWLC1RA	PVC04	0.118	
20S	M20	10.0	11.7	9.5	15.9	0.9	1.25	0.0	1.0	24.0	25.9	43.0	20SBWL1RA	20SBWLC1RA	PVC04	0.118	
20	M20	10.0	14.0	12.5	20.9	0.9	1.25	0.0	1.0	30.5	32.9	50.0	20BWL1RA	20BWLC1RA	PVC06	0.159	
25S	M25	10.0	20.0	14.0	22.0	1.25	1.6	0.0	1.0	36.0	38.9	55.0	25SBWL1RA	25SBWLC1RA	PVC09	0.228	
25	M25	10.0	20.0	18.2	26.2	1.25	1.6	0.0	1.0	36.0	38.9	55.0	25BWL1RA	25BWLC1RA	PVC09	0.228	
32	M32	10.0	26.3	23.7	33.9	1.6	2.0	0.0	1.0	46.0	49.7	58.0	32BWL1RA	32BWLC1RA	PVC11	0.362	
40	M40	15.0	32.2	27.9	40.4	1.6	2.0	0.0	1.0	55.0	59.4	55.0	40BWL1RA	40BWLC1RA	PVC15	0.520	
50S	M50	15.0	38.2	35.2	46.7	2.0	2.5	0.0	1.0	60.0	64.8	56.0	50SBWL1RA	50SBWLC1RA	PVC18	0.579	
50	M50	15.0	44.1	40.4	53.1	2.0	2.5	0.0	1.0	70.1	75.7	70.0	50BWL1RA	50BWLC1RA	PVC21	0.601	
63S	M63	15.0	50.0	45.6	59.4	2.0	2.5	0.0	1.0	75.0	81.0	70.0	63SBWL1RA	63SBWLC1RA	PVC23	1.054	
63	M63	15.0	56.0	54.6	65.9	2.0	2.5	0.0	1.0	80.0	86.4	80.0	63BWL1RA	63BWLC1RA	PVC25	1.200	
75S	M75	15.0	62.0	59.0	72.1	2.0	2.5	0.0	1.0	90.0	97.2	81.1	75SBWL1RA	75SBWLC1RA	PVC28	1.779	
75	M75	15.0	68.0	66.7	78.5	2.5	3.0	0.0	1.0	100.0	108.0	96.0	75BWL1RA	75BWLC1RA	PVC30	2.370	
90	M90	15.0	8.0	76.2	90.4	3.0	3.5	0.0	1.6	114.0	123.1	120.0	90BWL1RA	90BWLC1RA	PVC32	3.515	
100	M100	15.0	91.0	86.1	101.5	3.15	4.0	0.0	1.6	123.0	132.8	140.0	100BWL1RA	100BWLC1RA	150/50HST	4.100	
115	M115	15.0	98.0	101.5	110.3	3.15	4.0	0.0	1.6	133.4	144.1	160.0	115BWL1RA	115BWLC1RA	180/60HST	4.600	
130	M130	15.0	115.0	114.2	123.3	3.15	4.0	0.0	1.6	146.1	157.8	169.0	130BWL1RA	130BWLC1RA	180/60HST	5.200	

Dimensions are displayed in millimetres unless otherwise stated

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes. Marine Approvals including Lloyds & ABS are also available from CMP Products.



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ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION OF CMP CABLE GLAND TYPES BWL & BWL CIEL

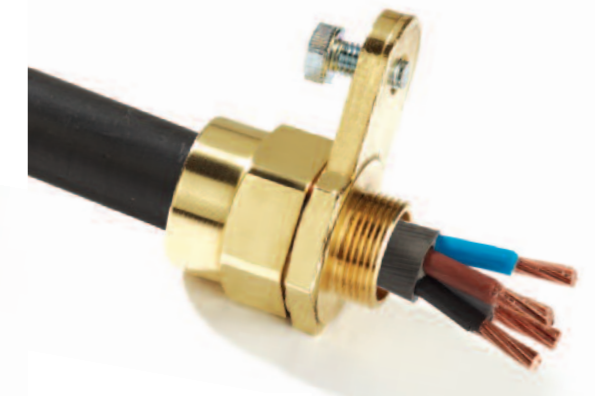
FOR TERMINATION OF CABLES WITH SINGLE WIRE ARMOUR (SWA) FOR INDOOR USE

CABLE GLAND TYPES BWL & BWL CIEL

Cable Gland Selection Table



BWL



BWL CIEL

BW = SWA armour

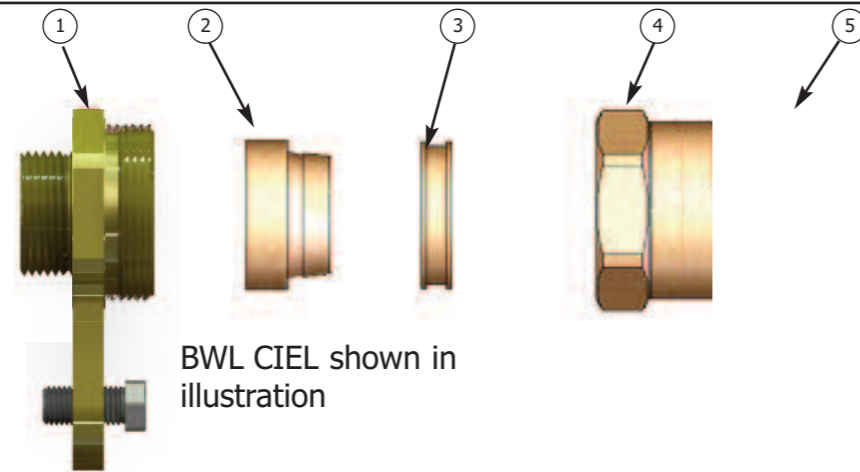
BWL CIEL = BWL with integral earth lug



INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES BWL & BWL CIEL

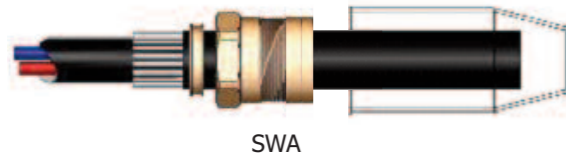
CABLE GLAND COMPONENTS

1. Entry Component (CIEL Entry on BWL CIEL)
2. Detachable Armour Cone
3. AnyWay Clamping Ring
4. Body
5. Earth Bolt

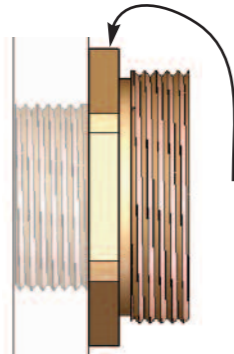


PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

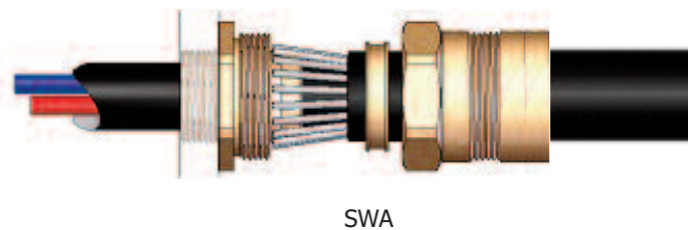
1. Separate components (1), (2), and (3). If required, fit a shroud over the cable outer sheath. Prepare the cable by removing the cable outer sheath and the braid/armour to suit the geometry of the equipment. Remove a further 18mm (max) of outer sheath to expose the armour. If applicable remove any tapes or wrappings to expose the inner sheath.
NOTE: On maximum size cables the clamping ring may only pass over the armour.



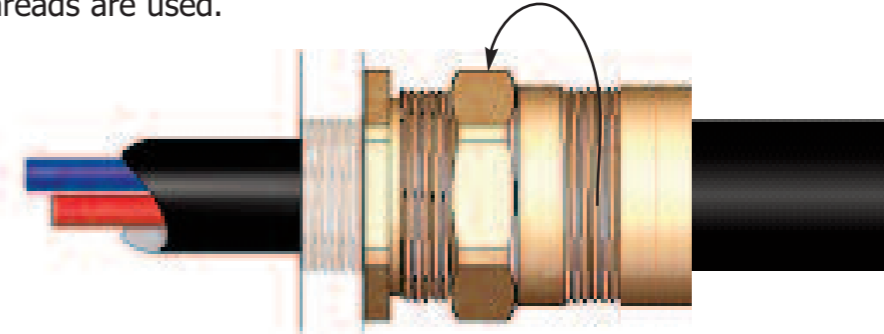
2. Secure the Entry Component (1) into the equipment as indicated.



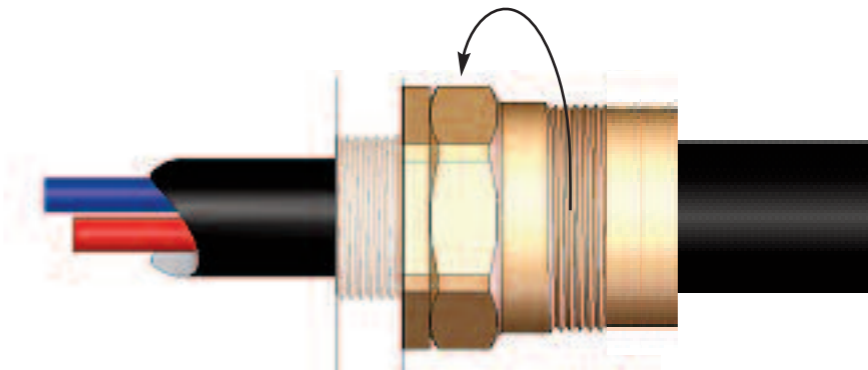
3. Locate the Detachable Armour Cone (2) into the Entry Component. Pass the cable through the entry item and evenly space the braid/armour around the cone.



4. While continuing to push the cable forward to maintain contact between the armour and the Cone (2), tighten the Body (4) by hand until the AnyWay Clamping Ring (3) is felt to have engaged the armour.
Hold the Entry Component (1) with a spanner and tighten the Body (4) using a spanner until all available threads are used.



5. Ensure the Entry Item (1) and Body (4) are fully tightened together



6. On the BWL CIEL fasten earth cable to the Earth Bolt (5) and tighten.