

TECHNICAL DATA
 CABLE GLAND TYPE : CWe, CXe
 INGRESS PROTECTION : IP66, IP67
 DESIGN STANDARDS : BS6121:1989, EN50262
 PROCESS CONTROL SYSTEM : BS EN ISO 9001

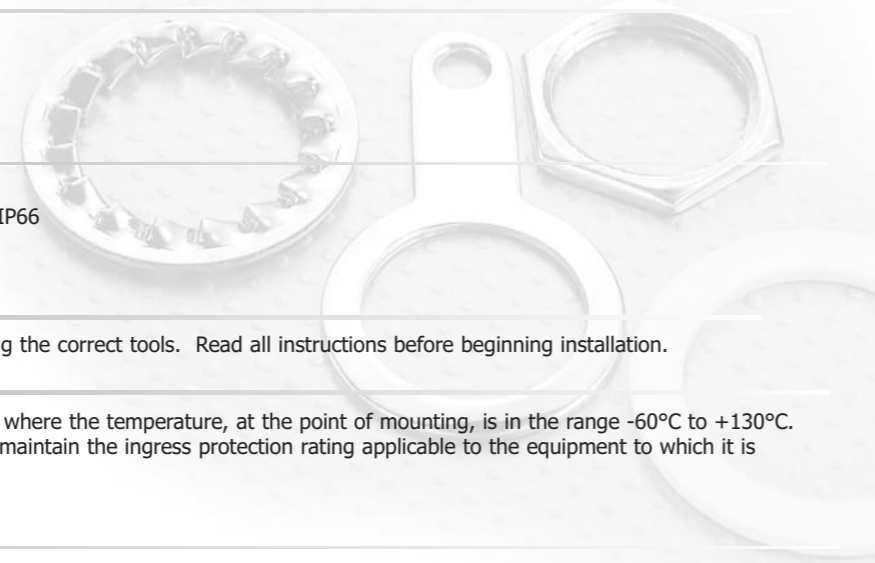
HAZARDOUS AREA CLASSIFICATION
 ATEX CERTIFICATION No : SIRA 06ATEX1097X
 ATEX CERTIFICATION CODE : Ex II 2 GD, Ex tD A21 IP66
 IEC Ex CERTIFICATION No : IECEx SIR 06.0042X
 IEC Ex CERTIFICATION CODE : Ex e II, Ex tD A21 IP66

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

SPECIAL CONDITIONS FOR SAFE USE

1. The CWe / CXe cable glands shall only be used on enclosures where the temperature, at the point of mounting, is in the range -60°C to +130°C.
2. The entry component threads may need additional sealing to maintain the ingress protection rating applicable to the equipment to which it is attached.
3. Cables must be clamped to prevent pulling or twisting.

ACCESSORIES
 The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-
 Locknut | Earth Tag | Serrated Washer | Entry Thread (I.P.) Sealing Washer | Shroud *



ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION OF CMP CABLE GLAND TYPES CWe & CXe

FOR TERMINATION OF CABLES WITH WIRE BRAID USING GLAND TYPE CXe OR SINGLE WIRE ARMOUR (SWA) USING GLAND TYPE CWe FOR USE IN HAZARDOUS AREAS.

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

CABLE GLAND TYPES CWe & CXe

Cable Gland Size	Entry Thread	Min Thread Length	Cable Bedding Diameter		Overall Cable Diameter		CWe Armour Range +		CXe Armour Range +		Across Flats Max	Across Corners Max	Protrusion Length	CWe Ordering Reference (Brass Metric)	CXe 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	20S16CWe1RA	20S16CXe1RA	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	20SCWe1RA	20SCXe1RA	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	20CWe1RA	20CXe1RA	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	25SCWe1RA	25SCXe1RA	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	25CWe1RA	25CXe1RA	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	32CWe1RA	32CXe1RA	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	40CWe1RA	40CXe1RA	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	50SCWe1RA	50SCXe1RA	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	50CWe1RA	50CXe1RA	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	63SCWe1RA	63SCXe1RA	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	63CWe1RA	63CXe1RA	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	75SCWe1RA	75SCXe1RA	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	75CWe1RA	75CXe1RA	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	90CWe1RA	90CXe1RA	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	100CWe1RA	100CXe1RA	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	115CWe1RA	115CXe1RA	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	130CWe1RA	130CXe1RA	180/60HST	5.200	

Cable Gland Selection Table

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.

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

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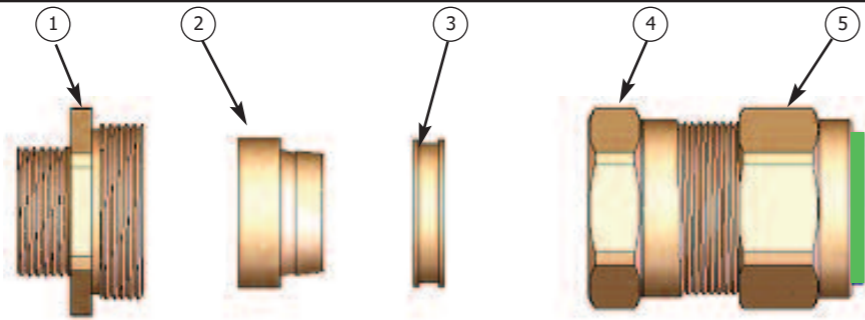
CWe = SWA armour
 CXe = Braid, Tape, etc armour



INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES CWe & CXe

CABLE GLAND COMPONENTS

1. Entry Component
2. Detachable Armour Cone
3. AnyWay Clamping Ring
4. Body
5. Outer Seal Nut



(A SWA cone is shown in the illustration, but the cable gland will be supplied with the correct cone - stepped type for CWe glands and grooved type for CXe glands.)

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

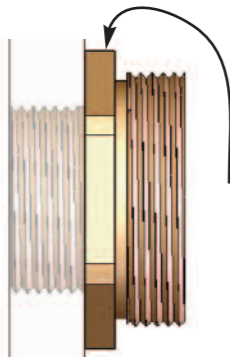
1. Separate components (1), (2) and (3) from Sub-Assembly B. If required, fit a shroud over the cable outer sheath. Prepare the cable by removing the cable outer sheath and the braid/armour to suit the geometry of the equipment.

Remove a further 18mm (max) of outer sheath to expose the armour. If applicable remove any tapes or wrappings to expose the inner sheath.

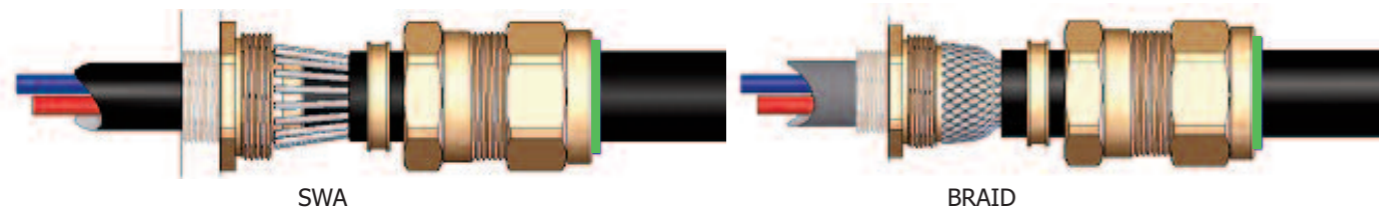
NOTE: On maximum size cables the clamping ring may only pass over the armour.



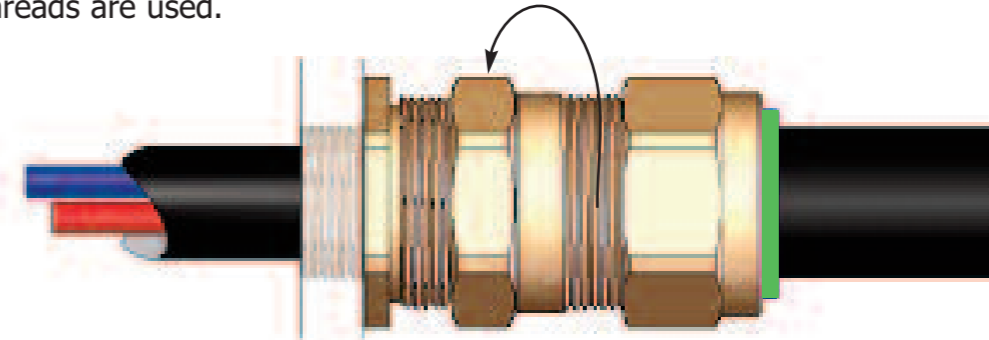
2. Secure the Entry Component (1) into the equipment as indicated.



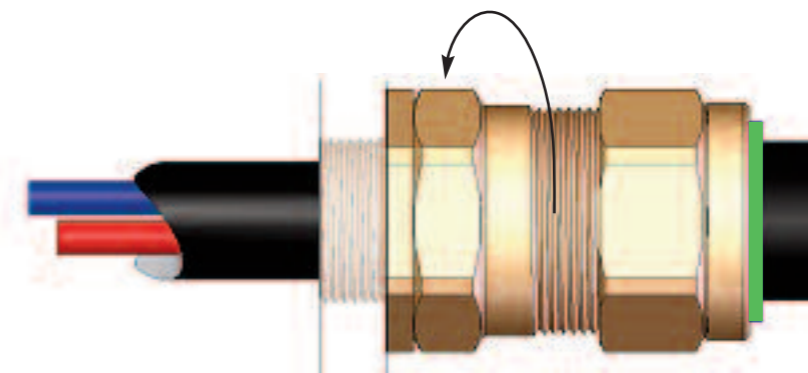
3. Locate the Detachable Armour Cone (2) into the Entry Component. Pass the cable through the entry item and evenly space the braid/armour around the cone.



4. While continuing to push the cable forward to maintain contact between the braid armour and the Cone (2), tighten the Body (4) by hand until the AnyWay Clamping Ring (3) is felt to have engaged the braid/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. Tighten the Outer Seal Nut (5) until resistance is felt. (This is when the seal has made contact with the cable.) Tighten one further full turn using a spanner.

