TECHNICAL DATA

CABLE GLAND TYPE : CW, CX
INGRESS PROTECTION : IP66, IP67
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 | Entry Thread (I.P.) Sealing Washer | Shroud *

Cable Gland Selection Table

Cable Gland Size	Entry Thread	Min Thread Length	Cable Bedding Diameter	Overall Cable Diameter		CW Armour Wire Diameter		CX Braid Wire Diameter		Across Flats	Across Corners	Protrusion Length	CW Ordering Reference (Brass Metric)	CX Ordering Reference (Brass Metric)	Shroud Ref*	Cable Gland Weight (Kgs)
			Max	Min	Max	Min	Max	Min	Max	Max	Max					
20S/16	M20	10.0	8.7	6.1	11.5	0.8	1.0	0.15	0.5	24.0	26.4	43.0	20S16CW1RA	20S16CX1RA	PVC04	0.118
20S	M20	10.0	11.7	9.5	15.9	0.8	1.25	0.15	0.5	24.0	26.4	43.0	20SCW1RA	20SCX1RA	PVC04	0.118
20	M20	10.0	14.0	12.5	20.9	0.8	1.25	0.2	0.5	30.5	33.6	50.0	20CW1RA	20CX1RA	PVC06	0.159
25S	M25	10.0	20.0	14.0	22.0	1.25	1.6	0.2	0.6	36.0	29.6	55.0	25SCW1RA	25SCX1RA	PVC09	0.228
25	M25	10.0	20.0	18.2	26.2	1.25	1.6	0.2	0.6	36.0	39.6	55.0	25CW1RA	25CX1RA	PVC09	0.228
32	M32	10.0	26.3	23.7	33.9	1.6	2.0	0.2	0.6	46.0	50.6	58.0	32CW1RA	32CX1RA	PVC11	0.362
40	M40	15.0	32.2	27.9	40.4	1.6	2.0	0.2	0.8	55.0	60.5	55.0	40CW1RA	40CX1RA	PVC15	0.520
50S	M50	15.0	38.2	35.2	46.7	2.0	2.5	0.2	0.8	60.0	66.0	56.0	50SCW1RA	50SCX1RA	PVC18	0.579
50	M50	15.0	44.1	40.4	53.1	2.0	2.5	0.3	0.8	70.1	77.1	70.0	50CW1RA	50CX1RA	PVC21	0.601
63S	M63	15.0	50.0	45.6	59.4	2.0	2.5	0.3	0.8	75.0	82.5	70.0	63SCW1RA	63SCX1RA	PVC23	1.054
63	M63	15.0	56.0	54.6	65.9	2.0	2.5	0.3	0.8	80.0	88.0	80.0	63CW1RA	63CX1RA	PVC25	1.200
75S	M75	15.0	62.0	59.0	72.1	2.0	2.5	0.3	0.8	90.0	99.0	81.1	75SCW1RA	75SCX1RA	PVC28	1.779
75	M75	15.0	68.0	66.7	78.5	2.5	3.0	0.3	0.8	100.0	110.0	96.0	75CW1RA	75CX1RA	PVC30	2.370
90	M90	15.0	8.0.	76.2	90.4	3.0	3.5	0.4	0.8	114.0	125.4	120.0	90CW1RA	90CX1RA	PVC32	3.515
100	M100	15.0	91.0	86.1	101.5	3.15	4.0	0.4	0.8	123.0	135.3	140.0	100CW1RA	100CX1RA	LSF33	4.100
115	M115	15.0	98.0	101.5	110.3	3.15	4.0	0.4	0.8	133.4	146.7	160.0	115CW1RA	115CX1RA	LSF34	4.600
130	M130	15.0	115.0	114.2	123.3	3.15	4.0	0.4	0.8	146.1	160.7	169.0	130CW1RA	130CX1RA	LSF35	5.200
Dimensions are displayed in millimetres unless otherwise stated																

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available for the full range 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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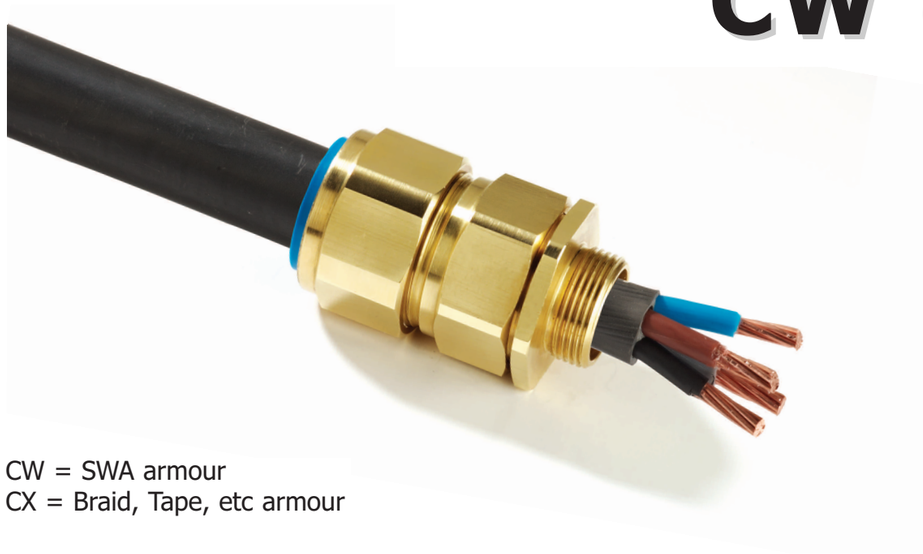
CE

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES CW & CX

FOR TERMINATION OF CABLES WITH WIRE BRAID USING GLAND TYPE CX OR SINGLE WIRE ARMOUR (SWA) USING GLAND TYPE CW.

CABLE GLAND TYPES CW & CX



CW = SWA armour
CX = Braid, Tape, etc armour

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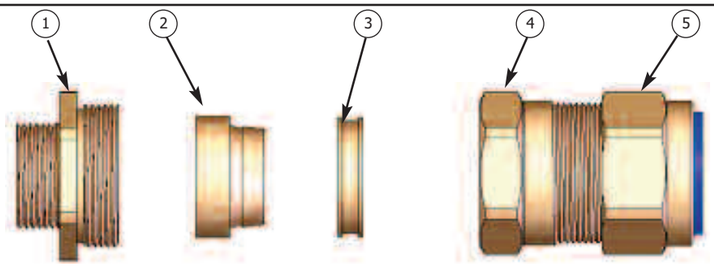
INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES CW & CX

CABLE GLAND COMPONENTS

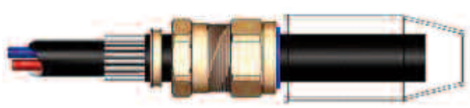
1. Entry Component
2. Detachable Armour Cone
3. AnyWay Clamping Ring
4. Body
5. Outer Seal Nut



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

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

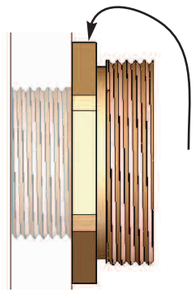
1. Separate components (1), (2) and (3) from Sub-Assembly B. If required, fit a shroud over the cable outer sheath. Prepare the cable by removing the cable outer sheath and the braid/armour to suit the geometry of the equipment.
Remove a further 18mm (max) of outer sheath to expose the armour. If applicable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



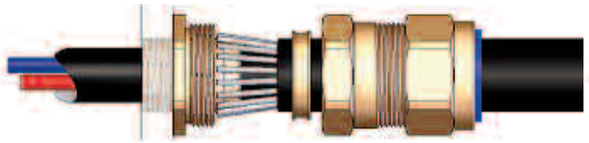
SWA

BRAID

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



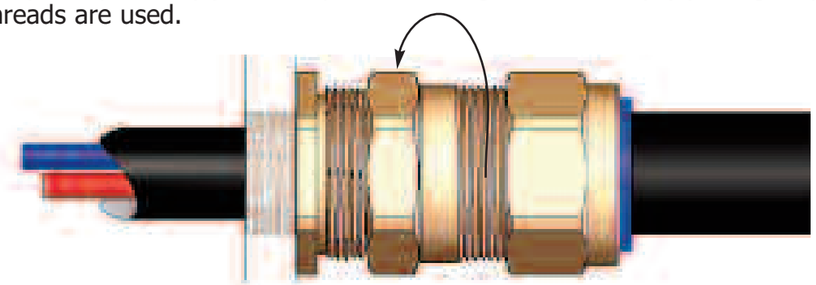
3. Locate the Detachable Armour Cone (2) into the Entry Component. Pass the cable through the entry item and evenly space the braid/armour around the cone.



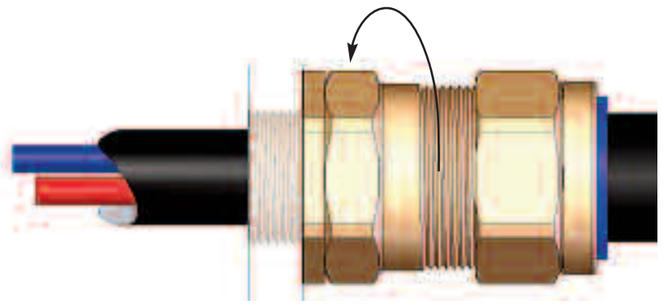
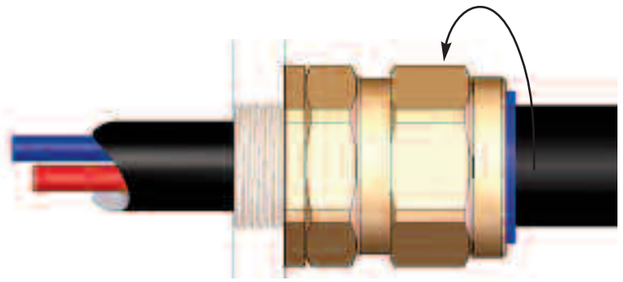
SWA

BRAID

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 it comes to an effective stop. This will occur when:-
   A) The Outer Seal Nut (5) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.
   B) The Outer Seal Nut (5) is metal to metal with the body of the gland (4).