



CW & CX

INSTALLATION GUIDE – CW & CX CABLE GLANDS

CW cable glands are designed for use with Single Wire Armour (SWA) and Aluminium Wire Armour (AWA) cables.

CX cable glands are suitable for cables with Wire Braid Armour, Strip Armour, Pliable Wire Armour, and Steel Tape Armour.

INSTALLATION NOTES.

1. Only qualified personnel should carry out the installation using appropriate tools.
2. Confirm that the cable gland is fully suitable for the type of cable being used.
3. The installer must verify that the materials are compatible with both the enclosure and the environmental conditions.
4. To retain IP66 protection, use a perfect sealing washer or an approved alternative sealing solution.
5. Entry threads comply with ISO Metric standards (ISO 965-1 & ISO 965-3) or NPT standard ASME B1.20.1.

Technical Specifications.

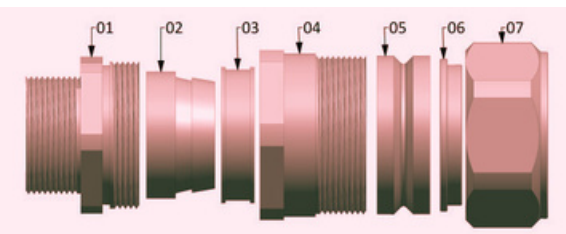
Type	CW Industrial Cable Gland.
Size	20MM TO 90MM
Applications	Provide Mechanical Cable Retention & Electrical continuity via Armoured Wire termination In indoor area. It is Easy to Install.
Operating Temp	-60°C To +180°C.
Material	Brass (BS EN 12164/ Grade CuZn39Pb3).
Seal Material	Thermoset Elastomer.
Standard Thread	ISO Metric.
Cable Type	Unarmoured & Braided.
Sealing Technique	Inner Displacement Seal.
Sealing Area	Cable Outer Sheath.
Optional Gland Material.	Brass Nickel Plated, Aluminium
Optional Accessories	Adaptor, Reducer, Earth Tag, Lock Nut, Serrated Washer, Shroud.
Cable Gland Kit	1 Cable Gland, 1 Lock Nut 1 Earth Tag, 1 PVC Shroud

CW INDUSTRIAL CABLE SELECTION TABLE

GLAND DIMENSIONS								CABLE DIMENSIONS				
CABLE GLAND SIZE	ENTRY THREAD E			MINIMUM	MAXIMUM	ACROSS	ACROSS	CABLE	OVERALL CABLE		ARMOUR	
				THREAD	LENGTH	FLATS	CORNES	BEDDING	DIAMETER		RANGE	
				LENGTH				DIAMETER				
	STANDARD		OPTION	L1	L	AF	AC	B	A			
	METRIC	NPT*	NPT*	METRIC	MAX	MAX	MAX	MAX	MIN	MAX	MIN	MAX
20S/16	M20	1/2*	3/4*	12	44	24	26.4	8.8	6.1	13	0.8	1.25
20S	M20	1/2*	3/4*	12	44	24	26.4	11.8	9.5	16	0.8	1.25
20	M20	1/2*	3/4*	12	45	30.5	33.5	14.2	13	20.9	0.8	1.25
25S	M25	3/4*	1*	12	53.5	37.5	41.25	20	14	22	1.25	1.6
25	M25	3/4*	1*	12	53.5	37.5	41.25	20	18.2	26.2	1.25	1.6
32	M32	1*	1-1/4*	12	52	46	50.6	26.3	23.7	33.9	1.6	2
40	M40	1-1/4*	1-1/2*	15	56	55	60.5	32.2	27.9	40.4	1.6	2
50S	M50	1-1/2*	2*	15	57	60	66	38.2	35.2	46.7	2	2.5
50	M50	2*	2-1/2*	15	58.5	70	77	44	40.4	53	2	2.5
63S	M63	2*	2-1/2*	15	69	75	82.5	50	45.6	59	2	2.5
63	M63	2-1/2*	3*	15	70	80	88	56	54.6	65.5	2	2.5
75S	M75	2-1/2*	3*	15	80	90	99	62	59	72.4	2	2.5
75	M75	3*	3-1/2*	15	80	100	110	68	66.7	78.5	2.5	3.15
90	M90	3-1/2*	4*	20	93	114	125.4	80	76.2	90.2	3.15	4

All Dimensions are in millimetres(Except*where dimensions are in inches)

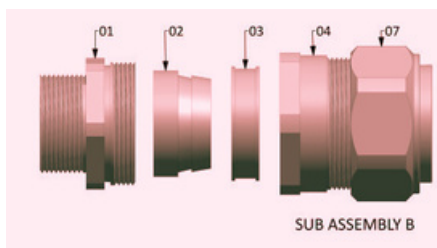
INSTALLATION INSTRUCTION CABLE GLAND CW & CX



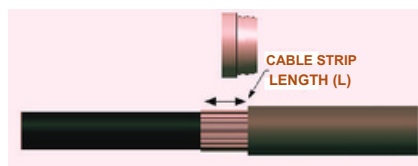
- 01 Entry Component
- 02 Detachable Armour Cone
- 03 Clamping Ring
- 04 Middle Body (Sub-Assembly B)
- 05 Thermoset Seal (Sub-Assembly B)
- 06 Skid Washer (Sub-Assembly B)
- 07 Compression Cap (Sub-Assembly B)

READ ALL INSTRUCTION CAREFULLY BEFORE INSTALLATION

Step 1 : It is not required to dismantle the Gland any further than shown.



Step 2 : Separate components 01, 02, 03 from Sub-Assembly 'B' parts 04 to 07. Now pass the Sub-Assembly B (All 4 components 04,05,06,07 assembled as it is) & Clamping Ring over the cable. Use a suitable tool to remove the outer sheath of the cable to suit the geometry of the equipment. Remove a further 23mm(max) of outer sheath to expose the armour to a length that matches the size of the Gland.



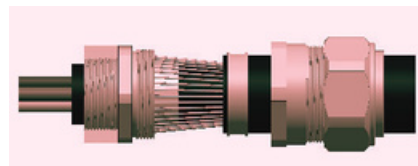
Step 3 : Fit the Entry Component- 01 into the equipment by tightening with a spanner.



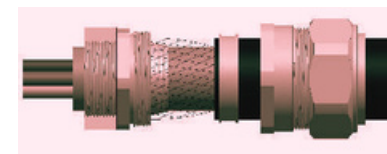
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Step 4 : Locate the Detachable Armour Cone-02 into the Entry Component-01. Pass the cable through the Entry Component-01 and evenly space the Braid /Armour around the Detachable Armour Cone.



CW (SWA & AWA)



CX (All Other Armour)

Step 5 : Gently push the cable forward to maintain contact between the Braid / Armour and the Detachable Armour Cone-02, tighten the Middle Body-04 by hand until the Clamping Ring-03 is felt to have engaged the Braid /Armour. Now Hold the Entry Component-01 with one spanner and tighten the Middle Body-04 using a second spanner till the heavy resistance felt.



Step 6 : Tighten the outer seal Compression Cap-07 until light resistance to tightening is met. Now hold Middle Body-04 with one Spanner and tighten Compression Cap-07 one further turn with second Spanner.

