CW Insulated

CAPTIVE COMPONENT GLAND™

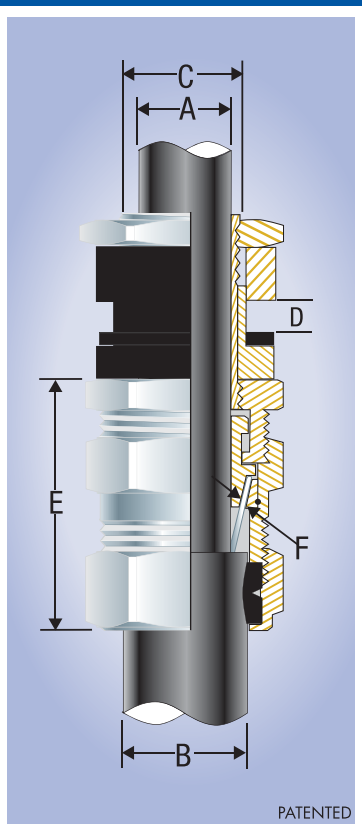
for SWA and Aluminium Armoured Cable

Features and Benefits

- For HV system circuits for protection against fault currents. Gland is insulated from equipment to prevent system circulating currents.
- For indoor and outdoor use.
- Two piece handling, no loose parts.
- Freely rotating cone ring, providing an armour clamp and earth bond without twisting the armouring.
- Patented disconnect armoured clamp system for ease of inspection
- Provides a seal on the outer sheath of the cable sealing to IP66.
- Precision manufactured from high quality brass (nickel plated). Complete with high quality brass locknut, earthing stud and bolt.

Technical Data

Type:	CW Insulated
Gland Material:	Brass (Nickel Plated) BS 2874, EN 12164, Aluminium ASTM B221
Seal Material:	Thermoset Elastomer
Cable Type:	Steel Wire Armour / Aluminium Armour Wire
Sealing Area:	Outer Sheath
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer, Serrated Washer and Shroud



Standards and Certifications

Design Standards:	SANS 1213, BS 6121 Part 1, EN 50262, IEC 62444
Certification:	
SANS/SABS 1213	
BS 6121 Part 1	
IEC 62444	MASC 11-303
Mechanical Properties:	Impact Category 8
	Anchorage Type D
Electrical Properties:	Category C
Operating Temperature:	-20°C to 125°C
Ingress Protection IEC 60529:	IP66 ~ MASC 11-263
Current Rating:	BS 6121 Part 5, IEC 62444
Size 20s to 40	26kA one second
Size 50s and above	43kA one second

Installation Standards

- AS/NZS 3000
- BS 6121-5
- BS 7671
- BS 7430
- IEC 60364-5-54
- SANS 0142

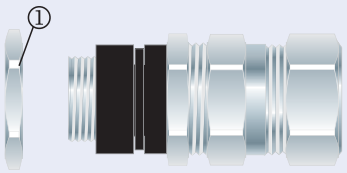
Product Code	Gland Size Reference	Metric Entry Thread		Cable Details			Max Length 'E'	Armour Dia.		Hexagonal Detail	
		'C'	Max 'D'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'
0532-0	0-20s	20	10	13.5	11.5	16.0	61.0	0.90	1.25	24.0	27.0
053201	1-20	20	10	13.5	14.5	21.0	67.0	0.90	1.25	27.0	31.0
053202	2-25	25	10	17.5	20.5	27.0	80.0	1.25	1.60	35.0	40.0
053203	3-32	32	10	24.0	26.5	33.5	80.0	1.60	2.00	42.0	48.0
053204	4-40	40	10	34.0	33.0	43.0	85.0	1.60	2.00	52.0	60.0
053205	5-50	50	10	42.5	40.5	52.5	106.0	2.00	2.50	65.0	75.0
053206	6-63	63	10	55.5	52.5	65.5	129.0	2.00	2.50	80.0	90.0
053207	7-75	75	10	68.0	65.5	78.0	149.0	2.50	3.15	96.0	110.0
053208	8-80	80	10	72.5	78.0	82.0	149.0	2.50	3.15	96.0	108.0
053209	9-90	90	10	81.5	82.0	91.0	157.0	3.00	3.50	96.0	125.0
053210	10-100	100	10	91.5	90.0	101.0	165.0	3.00	3.50	125.0	143.0

All dimensions are in mm.

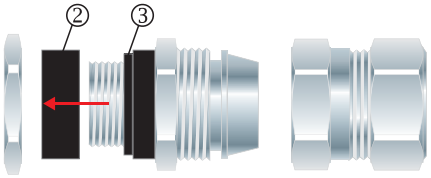
FITTING INSTRUCTIONS *Metric Illustration*

CCG CABLE TERMINATIONS

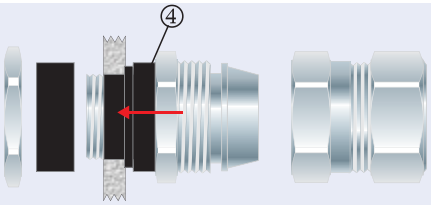
CW Insulated Captive Component Gland™



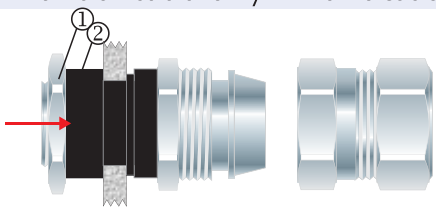
1. Remove locknut ①.



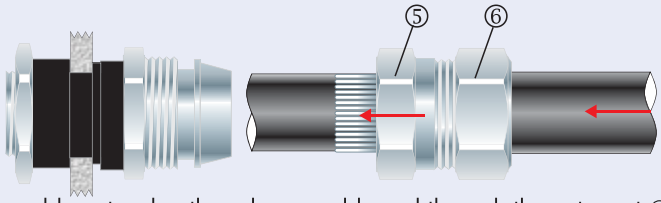
2. Remove female insulator ring ②. To maintain IP66/68 rating ensure the gasket ③ is in place.



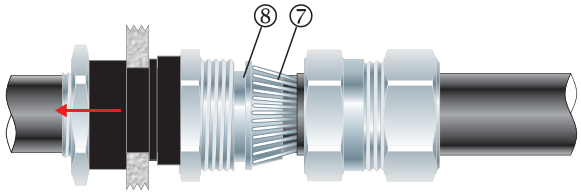
3. Insert the male insulator entry ④ into the cable entry of the apparatus.



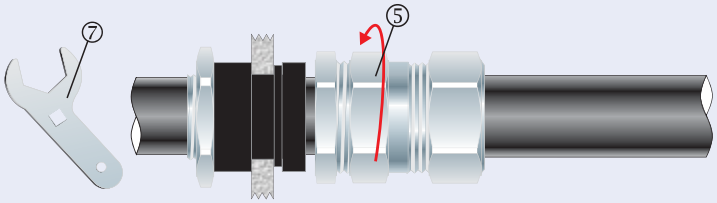
4. Screw the female insulator ring ② back against the apparatus (maximum of 10mm thickness). Screw the locknut ① back against the female insulator ring ②.



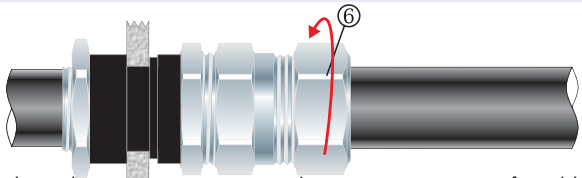
5. Strip the cable outer sheath and pass cable end through the outer nut ⑥ and the body ⑤.



6. Pass cable end through the inner and splay the armours wire ⑦ over the cone ⑧.



7. Tighten the body ⑤ onto the inner using a CCG Spanner ⑦.



8. Tighten the outer nut ⑥ to produce a moisture proof seal by turning till seal makes contact with the outer sheath of cable and then turn one full turn.

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