CCG CABLE TERMINATIONS

E1W INSULATED

CAPTIVE COMPONENT GLAND®

for Steel Wire and Aluminium Armoured Cable

Features and Benefits

- For indoor and outdoor use.
- Gland is insulated from equipment to prevent system circulating currents.
- Freely rotating captive cone and inspectible cone ring, providing an inspectible armour clamp and earth bond without twisting the armouring.
- Patented disconnect armoured clamp system for ease of inspection
- Provides a seal on the inner and outer sheath of the cable, sealing to IP66.
- Precision manufactured from high-quality brass (nickel plated), available in aluminium or stainless steel 316/316L on request.
- Supplied with a thread-sealing gasket and a heavy-duty (nickel-plated) locknut.

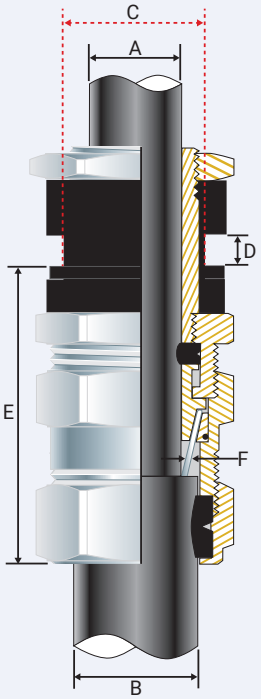
IP66 INSULATED EMC

Technical Data

Type:	E1W Insulated
Gland Material:	Brass (Nickel Plated), BS 2874, EN 12164, Aluminium ASTM BS221, Stainless Steel 316/316L
Seal Material:	Thermoset Elastomer or Silicone on request
Cable Type:	Steel Wire Armour and Aluminium Armour Wire
Armour Clamping:	Rotating Captive Cone and Inspectible Cone Ring
Sealing Area:	Inner Sheath and Outer Sheath
Optional Accessories:	Adaptor, Reducer, Earth Tag, Locknut, Serrated Washer and Shroud

Standards and Certification

Mechanical Properties:	Impact Category 8 Anchorage Type D	
Continuous Operating Temp:	-65°C to +120°C	
Conformance:	Standard:	Certificate:
Design Standards	BS 6121:Part 1	CML 14CA364
	IEC/BS EN 62444	CML 14CA364
	SANS 62444	MASC 22-9012
	SANS 1213	MASC 18-2047, SANS 2109/4596
IP66 - Parallel	IEC 60529	MASC 22-9015
Marine ABS	IEC 62444	25-0167207-PDA
DNV	IEC 60529, BS 6121, IEC 62444	TAE000000Z
EMC Compatible	EN 55011, + A1, EN 55022	SGS EMC305079/1
London Underground Approval	BS EN 62444	LU 3044



PATENTED

Installation Standards

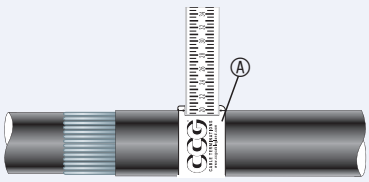
- AS/NZS 3000
- BS 6121-5
- BS 7671
- BS 7430
- IEC 60364-5-54
- SANS 0142

Product Code	Gland Size Ref	Metric Entry Thread		Cable Detail				Max Length 'E'	Armour Dia		Hexagonal Detail		Installation Torque Value Nm
		'C'	Max 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
0558-0	0-20s	20	10	7.0	12.0	11.5	16.0	46.5	0.90	1.25	◆ 24.0	◆ 27.0	35.0
055801	1-20	20	10	11.0	15.0	14.5	20.5	56.0	0.90	1.25	27.0	30.0	35.0
055822	2s-25S	25	10	11.0	17.5	16.0	24.5	73.0	1.25	1.60	27.0	30.0	50.0
055802	2-25	25	10	14.0	20.0	20.5	26.5	74.0	1.25	1.60	35.0	39.0	50.0
055833	3s-32s	32	10	15.0	22.0	23.0	30.5	64.0	1.60	2.00	35.0	39.0	70.0
055803	3-32	32	10	19.0	26.5	26.5	33.5	63.0	1.60	2.00	42.0	47.0	70.0
055844	4s-40s	40	10	22.0	31.5	30.0	39.5	78.0	1.60	2.00	42.0	47.0	90.0
055804	4-40	40	10	26.0	34.0	33.0	42.5	77.5	1.60	2.00	52.0	59.0	90.0
055855	5s-50s	50	10	29.0	38.0	34.0	47.5	103.0	2.00	2.50	52.0	59.0	100.0
055805	5-50	50	10	34.0	44.5	44.5	52.5	93.0	2.00	2.50	65.0	73.0	100.0
055866	6s-63s	63	10	38.0	50.0	50.0	60.5	114.0	2.00	2.50	65.0	73.0	120.0
055806	6-63	63	10	44.0	56.5	56.5	65.5	114.0	2.00	2.50	80.0	90.0	120.0
055877	7s-75s	75	10	50.0	62.0	62.0	72.5	127.0	2.50	3.15	80.0	90.0	120.0
055807	7-75	75	10	56.0	67.5	67.5	78.0	127.0	2.50	3.15	96.0	102.0	120.0

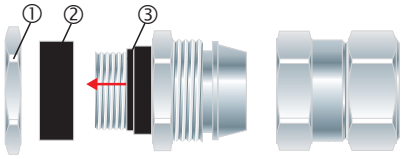
All dimensions are in mm.

◆ When manufactured in Aluminium, Hex will be 27 Across Flats and 30 Across Corners.

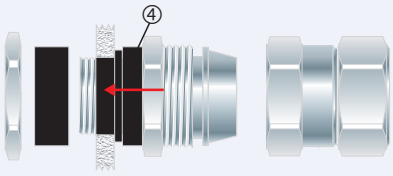
E1W INSULATED CAPTIVE COMPONENT GLAND®



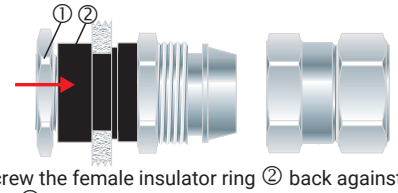
1. For accurate sizing, use a CCG Dimension Tape Ⓐ on the inner and outer cable sheath.



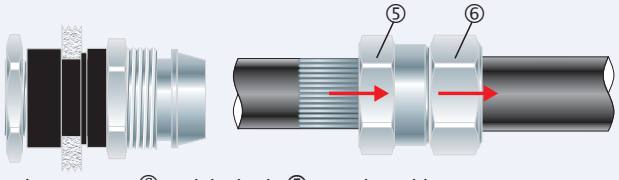
2. Remove the locknut ① and the female insulator ring ②. To maintain IP66/68 ensure the gasket ③ is in place.



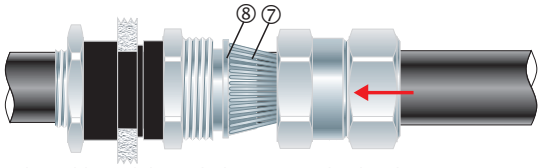
3. Insert the male insulator entry ④ into the cable entry of apparatus.



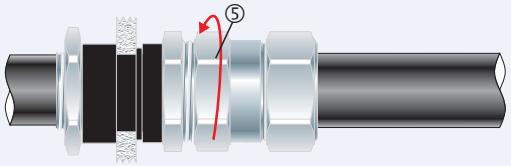
4. Screw the female insulator ring ② back against the apparatus (maximum of 10mm thickness). Screw the locknut ① back against the female insulator ring ②.



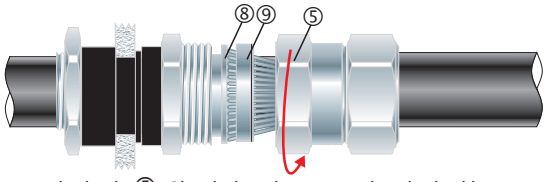
5. Pass the outer nut ⑥ and the body ⑤ over the cable.



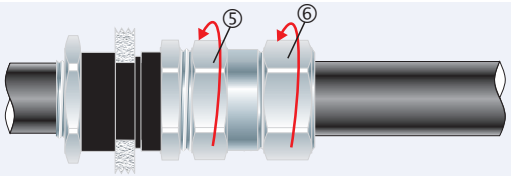
6. Pass the cable end through the inner and splay the armour wires ⑦ over cone ⑧.



7. Screw the body ⑤ onto the inner and tighten the body ⑤ to lock the armour between the cone ⑧ and the cone ring ⑨.



8. Unscrew the body ⑤. Check that the armour has locked between the cone ⑧ and the cone ring ⑨. (O-Rings on the cone ⑧ and cone ring ⑨ are sacrificial)



9. Tighten the body ⑤ onto the inner. Tighten the outer nut ⑥ to produce a moisture-proof seal by turning until the seal makes contact with the outer sheath of cable and make one full turn.