CCG CABLE TERMINATIONS

CX/Z INSULATED

CAPTIVE COMPONENT GLAND®

for Braided and Steel Tape 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 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 IP65/66.
- Precision manufactured from high-quality brass (nickel plated), available in aluminium or stainless steel 316/316L on request.
- Complete with a heavy-duty (nickel-plated) locknut.

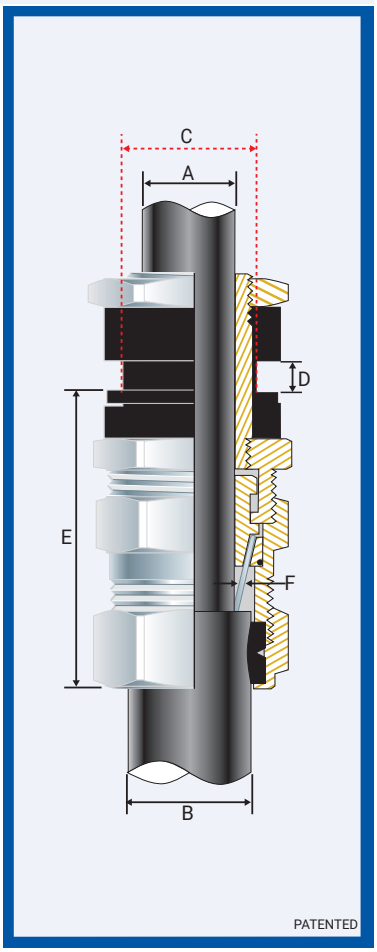
IP66 INSULATED

Technical Data

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

Standards and Certifications

Mechanical Properties:	Impact Category 8 Anchorage Type C	
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	ABS 20-SG1952694-PDA
DNV	IEC 60529, BS 6121, IEC 62444	TAE000000Z
London Underground Approval	BS EN 62444	LU 3043



Installation Standards

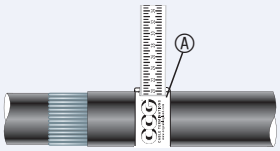
- AS/NZS 3000
- BS 6121-5
- BS 7671
- BS 7430
- IEC 60364-5-54
- SANS 0142

Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail			Max Length 'E'	Braid/STA Thickness		Hexagonal Detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
057600	00-20ss	M20x1.5	10	½/¾	15	8.0	8.0	13.5	60.0	0.2	0.85	◆ 24.0	◆ 27.0	35.0
0576-0	0-20s	M20x1.5	10	½/¾	15	12.0	11.5	16.0	65.0	0.2	0.90	◆ 24.0	◆ 27.0	35.0
057601	1-20	M20x1.5	10	½/¾	15	13.5	14.5	20.5	65.0	0.2	1.25	27.0	30.0	35.0
057622	2s-25s	M25x1.5	10	¾/1	15/19	17.5	16.0	24.5	75.0	0.2	1.25	35.0	39.0	50.0
057602	2-25	M25x1.5	10	¾/1	15/19	17.5	20.5	26.5	75.0	0.2	1.25	35.0	39.0	50.0
057633	3s-32s	M32x1.5	10	1/1¼	19	24.0	23.0	30.5	80.0	0.2	1.40	42.0	47.0	70.0
057603	3-32	M32x1.5	10	1/1¼	19	24.0	26.5	33.5	80.0	0.2	1.40	42.0	47.0	70.0
057644	4s-40s	M40x1.5	15	1¼/1½	19/21	34.0	30.0	39.5	85.0	0.3	1.40	52.0	59.0	90.0
057604	4-40	M40x1.5	15	1¼/1½	19/21	34.0	33.0	42.5	85.0	0.3	1.40	52.0	59.0	90.0
057655	5s-50s	M50x1.5	15	1½/2	21	42.5	34.0	47.5	95.0	0.4	1.40	65.0	73.0	100.0
057605	5-50	M50x1.5	15	1½/2	21	42.5	42.5	52.5	95.0	0.4	1.40	65.0	73.0	100.0
057666	6s-63s	M63x1.5	15	2/2½	21/30	55.5	45.5	60.5	105.0	0.4	1.50	80.0	90.0	120.0
057606	6-63	M63x1.5	15	2/2½	21/30	55.5	52.5	65.5	105.0	0.4	1.50	80.0	90.0	120.0
057677	7s-75s	M75x1.5	15	2½/3	30/32	68.0	57.0	72.5	115.0	0.4	1.50	96.0	108.0	120.0
057607	7-75	M75x1.5	15	2½/3	30/32	68.0	65.5	78.0	115.0	0.4	1.50	96.0	108.0	120.0
057688	8s-80s	M80x2.0	20	3	32	72.5	65.0	77.5	120.0	2.5	1.60	96.0	108.0	120.0
057608	8-80	M80x2.0	20	3	32	72.5	77.5	82.0	120.0	2.5	1.60	96.0	108.0	120.0
057699	9s-90s	M90x2.0	20	3/3½	32/33	82.0	73.0	86.5	150.0	3.0	1.60	110.0	124.0	120.0
057609	9-90	M90x2.0	20	3/3½	32/33	81.5	82.0	91.0	15.0	3.0	1.60	110.0	124.0	120.0

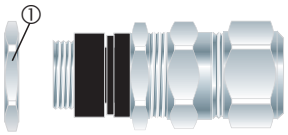
All dimensions except NPT are in mm.

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

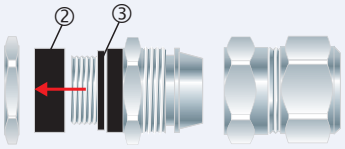
CX/Z INSULATED CAPTIVE COMPONENT GLAND®



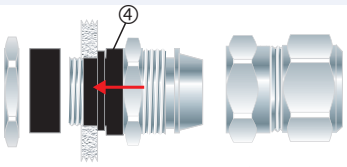
1. For accurate sizing, use a CCG Dimension Tape Ⓐ on the inner and outer cable sheath.



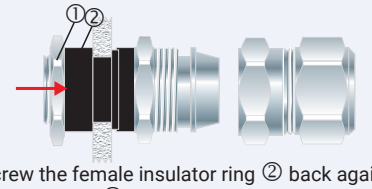
2. Remove the locknut ①.



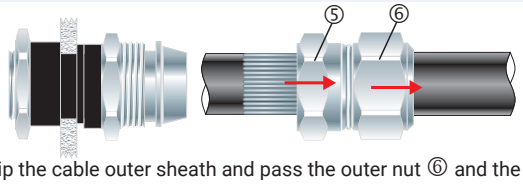
3. Remove the female insulator ring ②. To maintain IP66/68 rating ensure the gasket ③ is in place.



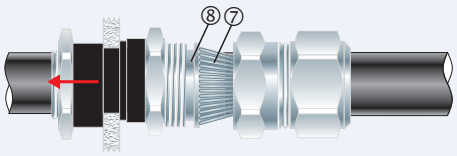
4. Insert the male insulator entry ④ into the cable entry of the apparatus.



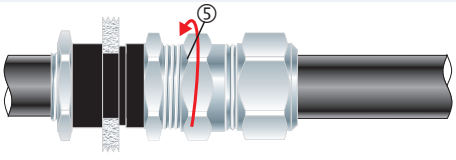
5. Screw the female insulator ring ② back against the apparatus (maximum of 10mm thickness). Screw the locknut ① back against the female insulator ring ②.



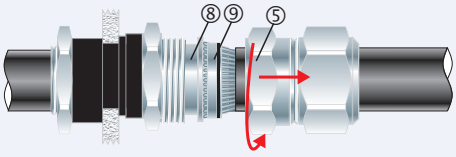
6. Strip the cable outer sheath and pass the outer nut ⑥ and the body ⑤ over the cable.



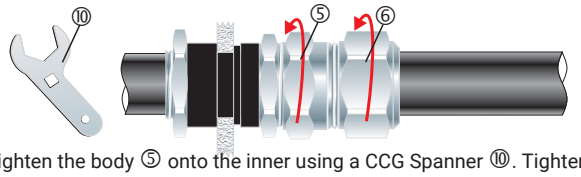
7. Pass the cable end through the inner and splay the armour wires ⑦ over the cone ⑧.



8. Tighten the body ⑤ onto the inner to lock the armour between the cone ⑧ and cone ring ⑨.



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



10. Tighten the body ⑤ onto the inner using a CCG Spanner ⑩. 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.