CCG CABLE TERMINATIONS

CX/Z

CAPTIVE COMPONENT GLAND®

for Braided and Steel Tape Cable

Features and Benefits

- For indoor and outdoor use.
- Two piece handling, no loose parts.
- 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 thread sealing gasket and heavy-duty locknut.

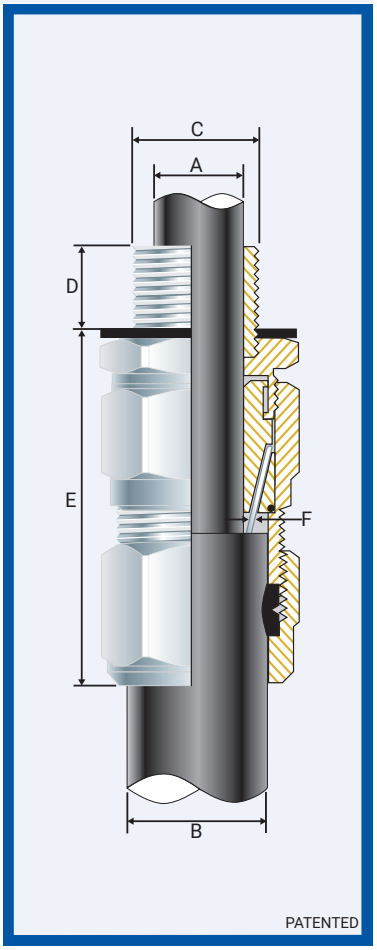
IP66 EMC

Technical Data

Type:	CX/Z
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	
Electrical Properties:	Category A	
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
IP65 - Tapered	IEC 60529	
Marine ABS	IEC 60529, IEC 62444	ABS 20-SG1952694-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 3043



PATENTED

Installation Standards

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

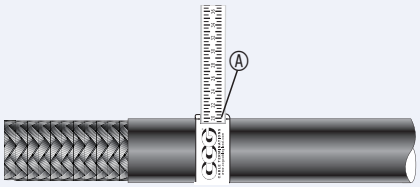
Product Code	Gland Size Reference	Metric Entry Thread		NPT Entry Thread		Cable Detail			Maximum Length 'E'	Braid/STA Thickness		Hexagonal Detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Crns'	
051300-16	00-16ss	M16x1.5	10	-	-	8.0	8.0	13.5	55.0	0.2	0.85	◆ 24.0	◆ 27.0	35.0
051300	00-20ss	M20x1.5	10	½/¾	15	8.0	8.0	13.5	55.0	0.2	0.85	◆ 24.0	◆ 27.0	35.0
0513-0	0-20s	M20x1.5	10	½/¾	15	12.0	11.5	16.0	55.0	0.2	0.90	◆ 24.0	◆ 27.0	35.0
051301	1-20	M20x1.5	10	½/¾	15	15.5	14.5	20.5	55.0	0.2	1.25	27.0	30.0	35.0
051322	2s-25s	M25x1.5	10	¾/1	15/19	20.0	16.0	24.5	60.0	0.2	1.25	35.0	39.0	50.0
051302	2-25	M25x1.5	10	¾/1	15/19	20.0	20.5	26.5	60.0	0.2	1.25	35.0	39.0	50.0
051333	3s-32s	M32x1.5	10	1/1¼	19	26.5	23.0	30.5	65.0	0.2	1.40	42.0	47.0	70.0
051303	3-32	M32x1.5	10	1/1¼	19	26.5	26.5	33.5	65.0	0.2	1.40	42.0	47.0	70.0
051344	4s-40s	M40x1.5	15	1¼/1½	19/21	34.5	30.0	39.5	65.0	0.3	1.40	52.0	59.0	90.0
051304	4-40	M40x1.5	15	1¼/1½	19/21	34.5	33.0	42.5	65.0	0.3	1.40	52.0	59.0	90.0
051355	5s-50s	M50x1.5	15	1½/2	21	44.5	34.0	47.5	75.0	0.4	1.40	65.0	73.0	100.0
051305	5-50	M50x1.5	15	1½/2	21	44.5	42.5	52.5	75.0	0.4	1.40	65.0	73.0	100.0
051366	6s-63s	M63x1.5	15	2/2½	21/30	57.0	45.5	60.5	85.0	0.4	1.50	80.0	90.0	120.0
051306	6-63	M63x1.5	15	2/2½	21/30	57.0	52.5	65.5	85.0	0.4	1.50	80.0	90.0	120.0
051377	7s-75s	M75x1.5	15	2½/3	30/32	68.0	57.0	72.5	105.0	0.4	1.50	96.0	108.0	120.0
051307	7-75	M75x1.5	15	2½/3	30/32	68.0	65.5	78.0	105.0	0.4	1.50	96.0	108.0	120.0
051308	8-80	M80x2.0	20	3	32	74.0	77.5	82.0	125.0	2.5	1.60	96.0	108.0	120.0
051399	9s-90s	M90x2.0	20	3/3½	32/33	82.0	73.0	86.5	145.0	3.0	1.60	110.0	124.0	120.0
051309	9-90	M90x2.0	20	3/3½	32/33	82.0	82.0	91.0	145.0	3.0	1.60	110.0	124.0	120.0

All dimensions except NPT are in mm.

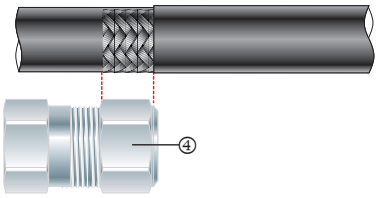
◆ When manufactured in Aluminium, Hex will be 27 Across Flats and 30 Across Corners.

FITTING INSTRUCTIONS
Metric Illustration

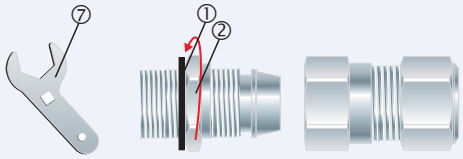
CX/Z CAPTIVE COMPONENT GLAND®



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

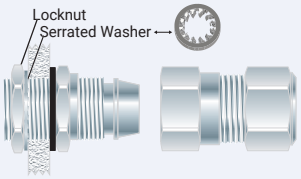


2. Cut back the cable outer sheath to expose the braid to a length not more than the outer nut ④.

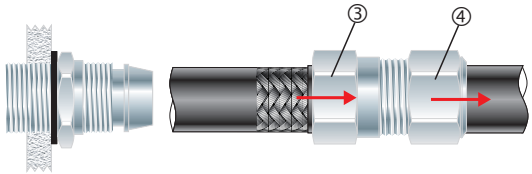


3. To maintain IP66 ensure the gasket ① is in place. Screw the inner ② into apparatus. Tighten the inner ② to the installation torque using a CCG Spanner ⑦.

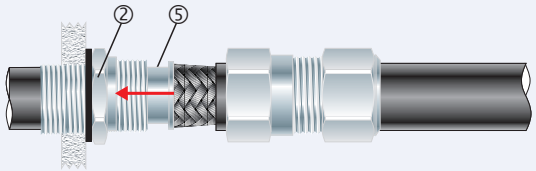
Alternative installation through an unthreaded entry.



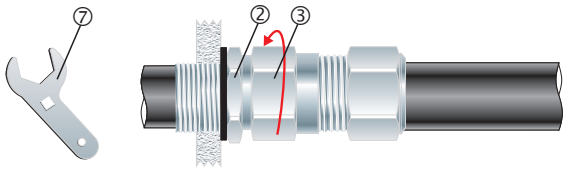
If the apparatus is untapped use a locknut.



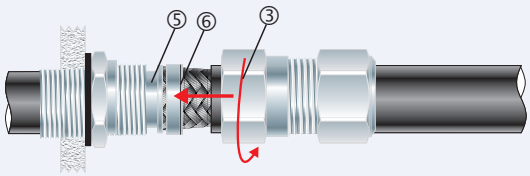
4. Pass the outer nut ④ and the body ③ over the cable.



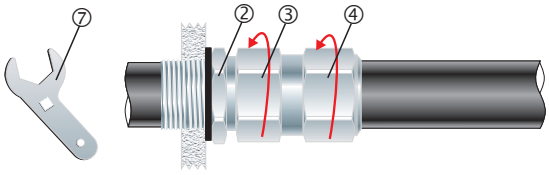
5. Pass cable end through the inner ②. Splay the braid over the cone ⑤.



6. Tighten the body ③ onto the inner ② until hand tight, then tighten with a CCG Spanner ⑦ with ¾ turn to lock the braid between the cone ⑤ and the cone ring ⑥.



7. Unscrew the body ③. Check that the braid has locked between the cone ⑤ and the cone ring ⑥. (O-Ring on the cone ring ⑥ is sacrificial).



8. Tighten the body ③ into the inner ② and tighten the body ③ to installation torque using a CCG Spanner ⑦. Tighten the outer nut ④ to produce a moisture proof seal by turning until the seal makes contact with the outer sheath of cable and then make one full turn.