CCG CABLE TERMINATIONS

CCG BarrierTex™ F

Ex d I/IIC barrier gland

for UNARMOURED CABLE

Features and Benefits

- Provides a barrier seal between the individual cores of the cable.
- Inspectable compound and flameproof chamber.
- Prevents explosive gasses propagating through a cable.
- Prevents gas and moisture migrating through a cable.
- Precision manufactured from high quality brass (nickel plated) and stainless steel.

Technical Data

Type	BarrierTex™ F
Gland Material	Brass (Nickel Plated),Stainless Steel, Bronze
Seal Material	CCG FR308 or ST574 Compound, Thermoplastic Elastomer
Cable Type	Unarmoured Cable
Sealing Area	Inner compound barrier and outer sheath

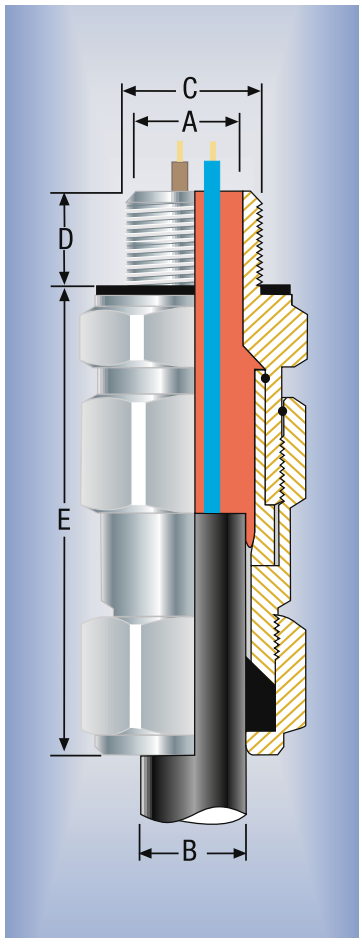
Standards and Certifications

Hazardous Area Classification:	SANS IEC, ANZEx IEC,: Zone 1, 2, 21and 22 Ex e, Ex d I/IIC Ex tD, A21	
	ATEX: Ex e I/IIC, Ex d I/IIC Ex tD A21	
Design Standards:	SANS 1213, BS 6121 Part 1, EN 50262	
Certification		Standards:
Australian/New Zealand/IEC	ANZEx 07.4045X	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241.1, IEC 61241-1
ATEX	SIRA 07 ATEX 1044X	EN60079-0, EN60079-1, EN60079-7, EN 61241-0 EN 61241-1
Marine	09-SG435709-PDA	
SANS/SABS/IEC	SAEx MS/06-425X	SANS 60079-0, SANS 60079-1, SANS 60079-7, SANS 61241-0, SANS 61241-1, IEC 60529
Operating Temperature:	-20°C to +80°C	
Ingress Protection:	IP 66/68 (2m cont.)	

Conditions and limitations for Safe Use - X

The use of Barrier Gland is prescribed by the installation standards as follows:

• Ex d	IEC 60079-14	Paragraph 9.3.1
• Ex d	IEC 60079-14	Paragraph 10.4.2
• Ex d	SANS 10086-1	Paragraph 4.6.3.2.d.
• Ex d	SANS 10086-2	Paragraph 9.6.14.3
• Ex d	SANS 10086-2	Paragraph 9.7.2
• ExnR	IEC 60079-14	Paragraph -14.3.2.2
• Exp	IEC 60079-14	Paragraph -13.1.7
• Exi	IEC 60079-14	Paragraph 5.9



Product Code	Gland Size Ref.	Entry Thread				Cable Details			Dia Over Core Max	No. of Cores	Overall Length Max 'E'	Hex Across 'Flats'	Installation Torque Value Nm
		Metric 'C'	Metric Min 'D'	NPT/BSP 'C'	NPT/BSP Min 'D'	Min 'A'	Min 'B'	Max 'B'					
052600	00-20ss	M20x1.5	15	½ / ¾	17	11.8	5.0	8.0	8	6	72	25	35
0526-0	0-20s	M20x1.5	15	½ / ¾	17	11.8	8.0	11.0	9	6	72	25	35
052601	1-20	M20x1.5	15	½ / ¾	17	14.0	11.0	15.5	11	10	78	30	35
052602	2-25	M25x1.5	15	¾ / 1	17	19.5	15.0	20.5	16	20	80	38	50
052603	3-32	M32x1.5	15	1 / 1¼	17	26.5	20.0	26.5	22	40	82	45	70
052604	4-40	M40x1.5	15	1¼ / 1½	22	33.5	26.0	34.5	27	60	95	55	87
052655	5s-50s	M50x1.5	22	2	22	45.0	32.5	38.0	35	70	100	65	100
052605	5-50	M50x1.5	22	2	22	45.0	38.0	44.5	37	80	100	65	110
052666	6s-63s	M63x1.5	22	2½	22	55.5	44.5	50.0	45	90	100	85	120
052606	6-63	M63x1.5	22	2½	22	55.5	50.0	56.0	48	100	100	85	120

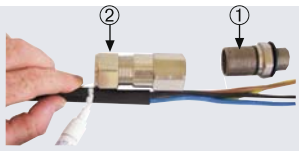
All dimensions except NPT are in mm.

FITTING INSTRUCTIONS

CCG CABLE TERMINATIONS

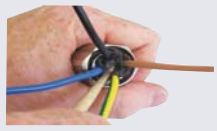
CCG BarrierTex™ F Ex d I/IIC barrier glands

1. Separate the gland entry component inner ① from gland rear body ② . Prepare the cable cutting back the outer sheath to expose inner cable cores. Use gland rear body ② has a gauge and mark off length of outer sheath.



2. Tighten outer nut ③ so that the outer seal clamps onto the cable sheath at the mark.

3. Splay the inner cable cores. Check use by date on the compound. Completely mix two-part compound until an even colour. Completely fill the sleeve compound chamber.



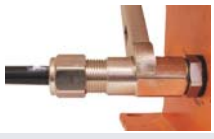
4. Bringing the cores together completely filling all voids and surrounding the cores with compound. Shape compound into a taper.

5. Screw the entry component into the apparatus.

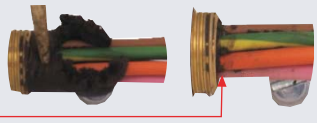
6. Unlock the outer nut to release the seal on the cable.

7. Carefully push the cores of the cable and the compound through the bore of the gland entry component.

8. Tighten the gland body to a complete stop.



9. Make sure the compound emerging through the entry is thoroughly removed.

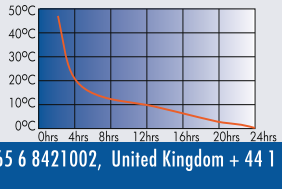


10. Allow gland assembly to stand for 1-hour before disassembling gland. Gently pull on the cable whilst dislodging the compound chamber with a spanner.

11. Carefully withdraw the compound chamber and check compound seal is complete.

12. Reassemble gland and tighten the outer nut to achieve an IP68 seal on the cable.

13. Compound will harden after 4 hours at 21°C thereafter installation can be energized.
IMPORTANT: Only CCG FR308 or ST574 compound provided may be used.



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