



CE 0359

etechcomponents

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CABLE TERMINATIONS

CE 0359

CCG
CABLE TERMINATIONS**CCG BarrierTex™ A, BARRIER GLAND FOR ARMoured CABLE**

Exd I/IIC, Exe I/IIC, I M2/II 2GD, Ex tD A21, IP66/68

DESCRIPTION:

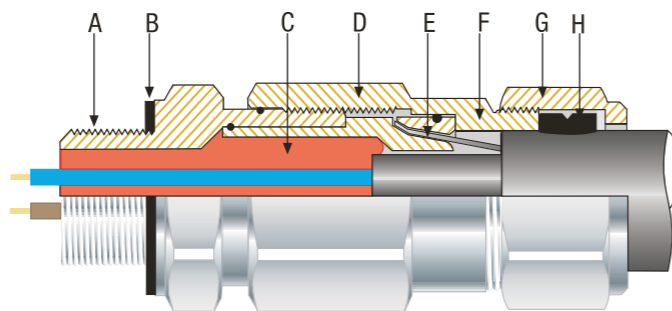
CCG BarrierTex™ A, Flameproof Exd I/IIC, Exe I/IIC, I M2/II 2GD, Ex tD A21, IP66/68 Barrier Gland for SWA Cables. Providing a flameproof compound barrier seal over the inner cores of the cable, an outer IP Seal over the outer sheath of the cable and an armour clamp by means of a cone and cone ring.

TECHNICAL DATA AND HAZARDOUS AREA CERTIFICATION:

Hazardous Area Approved: Exd I/IIC, Exe I/IIC, I M2/II 2GD, Ex tD A21
 Certification Number: SIR A 07 ATEX 1044X
 Ingress Protection: IP66/68 (2m cont)
 Special Conditions: Gland shall only be used where the temperature at point of mounting is between -20°C and +80°C.

COMPONENTS:

REF	PART NAME
A	Entry Thread - Brass or Stainless Steel
B	Thread Gasket - HDPE
C	Putty - CCG FR308 or ST574
D	Body - Brass or Stainless Steel
E	Cone / Chamber - Brass or Stainless Steel
F	Cone Ring - Brass or Stainless Steel
G	Outer Nut - Brass or Stainless Steel
H	Outer Seal - Santoprene, Polychloroprene



Product Code	Gland Size Reference	Thread Details		Hex. Across Flats	Cable Details			Minimum Armouring Wire	Minimum Installation Torque
		Metric Entry	NPT / BSP Entry		Max. Dia Over Core	Max. No. of Cores	Overall Cable Dia (Min-Max)		
052500	00-20ss	M20x1.5	½	25	9	6	8.0 - 13.5	0.9	24
0525-0	0-20s	M20x1.5	½	25	9	6	11.5 - 16.0	0.9	24
052501	1-20	M20x1.5	½/¾	28	11	10	14.5 - 21.0	0.9	24
052502	2-25	M25x1.5	¾/1	36	16	20	20.5 - 27.0	1.25	33
052503	3-32	M32x1.5	1/1¼	44	22	40	26.5 - 33.5	1.25	47
052504	4-40	M40x1.5	1¼/1½	52	27	60	33.0 - 43.0	1.6	58
052505	5-50	M50x1.5	2	65	37	80	42.5 - 52.5	2.0	63
052506	6-63	M63x1.5	2½	85	48	100	52.0 - 65.5	2.5	73

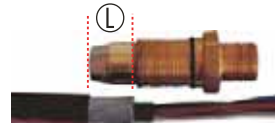
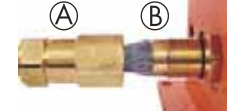










All dimensions except NPT/BSP are in mm.

GENERAL INSTALLATION GUIDANCE:

Reference must be made to national wiring codes and regulations

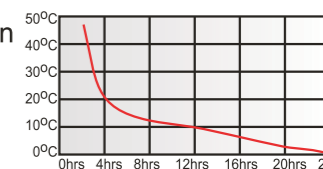
- **EN60079-10** Classification of hazardous areas.
- **EN60079-14** Electrical Installation in hazardous areas other than mines. Refer to selection guide 10.4.2.
- The installation must be carried out by a competent person skilled in cable gland installation.
- Do not install under live current conditions.
- To maintain IP66/68 ratings, thread gaskets provided must be used.
- Cable Glands are non-serviceable items and spare parts are not permitted under the certification.
- Care must be taken not to damage entry threads.
- Always use correct tools to avoid damage to the gland and cable.
- **HEALTH WARNING:** Although the compound is not poisonous, it should not come into contact with eyes or be ingested. Gloves provided should be used.
- Inspection and maintenance must be carried out by suitably trained personnel in accordance with the applicable code of practice: **EN60079-17**.
- If the equipment is likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions to prevent it from being adversely affected, thus ensuring that the type of protection provided by the equipment is not compromised.

FITTING INSTRUCTION FOR CCG BarrierTex™ A, BARRIER GLAND FOR ARMoured CABLE

1. Separate the gland entry component inner (B) from gland rear body (A). Prepare the cable cutting back the outer sheath to expose armour to the length (L) of the cone required. Strip back inner bedding to expose the inner cable cores. 
2. Screw the entry component inner (B) into apparatus. Slide the rear body (A) over the cable. Splay armouring over the cone. 
3. Screw the rear body onto the inner and tighten to lock the cone ring onto the cone. 
4. Disassemble the gland. The armour should now be locked between the cone and cone ring. 
5. Withdraw the cable, cone ring, cone and compound chamber assembly from the inner. Splay the inner cable cores. 
6. Check the use by date on the compound. Mix the two parts compound until it is a single colour. Completely fill the compound chamber. 
7. Bring the cores together. With all available compound completely fill all voids between the cores and around cores, shaping the compound into a taper. 
8. Pass cores and compound taper through bore of the inner. 
9. Screw the body onto the inner to a complete stop. Make sure the compound emerging through rear entry is cleaned away thoroughly. 
10. Allow gland assembly to stand for 1-hour before disassembling gland. Gently pull on the cable whilst dislodging chamber with a spanner. 
11. Carefully withdraw the compound chamber and check the compound seal is complete. 
12. Reassemble gland and tighten 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.

COMPOUND USE BY DATE:



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