A2EX~QS

Quick Stop-Ex™ Injection Resin™ Barrier Gland

MOFLASH SIGNALLING
BIRMINGHAM, ENGLAND

Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC

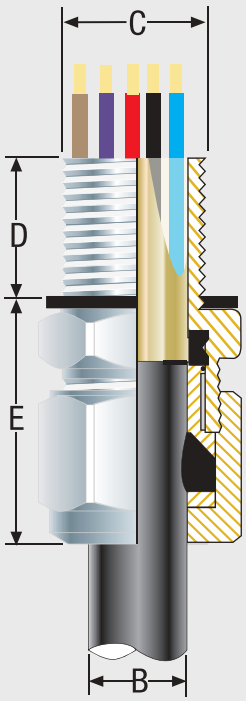
BARRIER COMPRESSION GLAND for Unarmoured Cable

Features and Benefits

- For use indoors, outdoors and hazardous areas with unfilled hygroscopic multicore cables.
- Instantly mixed and injected Resin.
- Resin forms a 100% barrier seal around the individual cores of the cable.
- Prevents gas and moisture transmitting down cable.
- Prevents explosive gases transmitting down cable.
- Precision manufactured from high quality brass (marine grade electroless nickel plated) or Stainless Steel.
- Complete with sealing gasket.

Technical Data

Type:	A2EX~QuickStopEx™
Gland Material:	Brass (Marine Grade Electroless Nickel Plated) or Stainless Steel
Seal Material:	Thermoset Elastomer (Standard) or Extreme Temperature Seals, Quick setting Barrier Resin
Cable Type:	Unarmoured
Sealing Area:	Outer Sheath and Barrier Chamber
Optional Accessories:	Adaptor, Earth Tag, Locknut, Reducer, Serrated Washer and Shroud



PATENTED

Standards and Certifications

Equipment Protection Levels:	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex tb IIIC Db II 2G, II 2D, II 3G	
Operating Temperature:	-20°C to +95°C Standard Seals or -50°C to 120°C Extreme Temp. Seals	
Ingress Protection:	IP66/68 (2m)	IEC 60529
Certification:		Standards:
IEC Ex	IECEx ITA 12.0014X	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31
ATEX	TÜV 13 ATEX 7397X	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
	TÜV 13 ATEX 7422X	EN 60079-0, EN 60079-15
INMETRO	TÜV 15.0483X	ABNT NBR IEC 60079 Parts 0,1, 7, 15 and 31
SANS/IEC	MASC MS/13-028X	SANS/IEC 60079-0, SANS/IEC 60079-1, SANS/IEC 60079-7, SANS/IEC 60079-15, SANS/IEC 60079-31
Marine	14-SG1216922-PDA	
Deluge Protection DTS-01	CML 14CA370-2	

Manufactured by CCG Cable Terminations (Pty) Ltd

Conditions for Safe Use - X

- The cable glands may only be used on fixed installations where the cable is clamped or stress applied to the cable in the gland is prevented.
- The cable glands shall only be used where the temperature, at the point of entry, is between -20°C and +95°C (standard seal) or -50°C to 120°C (extreme temp. seal) depending on non-metallic materials used.
- Only the resin as supplied by CCG may be used in the glands.

A2EX~QS Barrier Compression Gland

MOFLASH	MOFLASH Product Code	Gland Size Reference	Metric Entry Thread		Cable Detail		Max Length 'E'	Hexagonal Detail		Install. Torque Value Nm
			'C'	'D'	Min 'B'	Max 'B'		Max 'Flats'	Max 'Crns'	
Brass	50203	1-20	M20x1.5	25	11	15	30	27	30	32.5
Stainless Steel	50213	1-20	M20x1.5	15	11	15	30	27	30	32.5

CCG reserves the right to make alterations to the technical data, dimensions, designs and products available without notice. The illustrations cannot be considered binding. Please contact CCG for assistance.

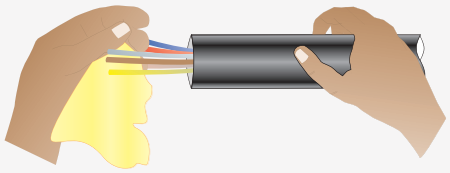
FITTING INSTRUCTIONS *Metric Illustration*

MOFLASH SIGNALLING
BIRMINGHAM, ENGLAND

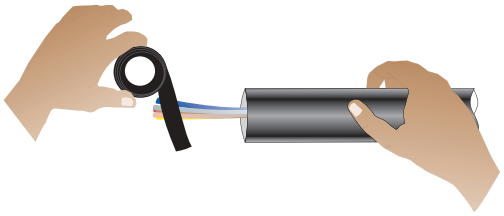
A2EX~QS Barrier Gland Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC

1. Strip back the outer sheath to expose the inner cable cores. Using a cloth, clean the cable cores insulation.

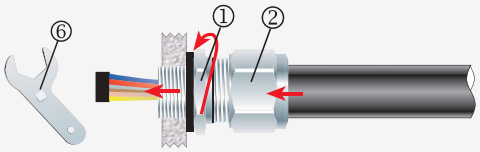
   If the cable cores have screens these should be cut away or twisted together into a single core. This single core should be insulated with heat shrink tubing or coated with insulating varnish. Any drain wires should also be insulated with heat shrink tubing or coated with insulating varnish.



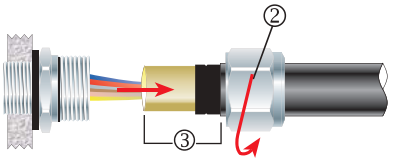
2. Using insulation tape, bundle the cores together at the end.



3. Ensure the thread gasket is in place. Screw the gland unit into the apparatus. Tighten the inner ① using a CCG Spanner ⑥. Pass the cable end through the outer nut ② and push the bundled cable cores through the inner ① diaphragm and seal.

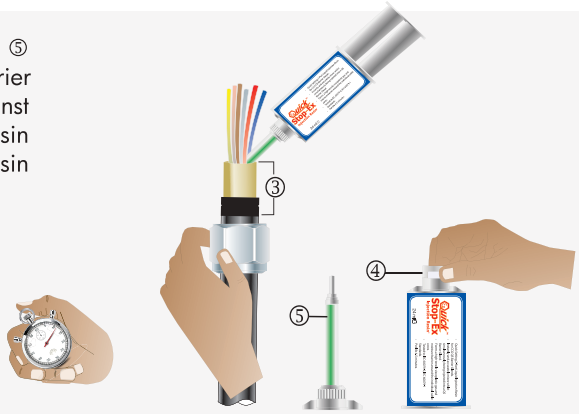


4. Unscrew the outer nut ②. Withdraw the cable and barrier pot sub-assembly ③. Remove the insulation tape.



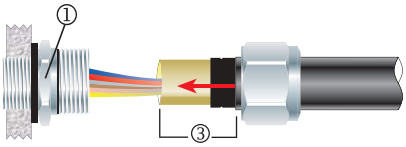
5. Remove the cap ④ from resin applicator and attach the mixing nozzle ⑤ (use extension nozzle for small multicore cables). Whilst holding the barrier pot sub-assembly ③ upright and holding the diaphragm seal firmly against the cable sheath, inject the resin into the resin chamber. Make sure the resin fills all the way to the top of the resin chamber and wipe any excess resin away.

   Wait for the resin to set from a liquid to a gel, this should take:
   - 15 minutes at 10°C
   - 7 minutes at 20°C
   - 6 minutes at 30°C
   - 5 minutes at 40°C

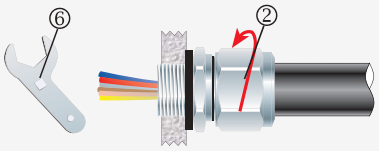


   If there is still Resin left in the tube, discard the mixing nozzle ⑤ and replace the cap ④ for use with the next gland.

6. Re-insert the barrier pot sub-assembly ③ back into the inner ①.



7. Tighten the outer nut ② to the intallation torque using a CCG Spanner ⑥ to produce a seal and grip on the cable.



YouTube Instruction Video: *http://www.youtube.com/watch?v=TeoCqRgCk3k*