

# IA - CERTIFICATE



## SA Explosion Prevention CC

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT INCORPORATED IN THE MINE HEALTH AND SAFETY ACT) AND REGULATION 8(2) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT



03 October 2008

CCG Cable Terminations (Pty) Ltd  
P O Box 192  
**KEMPTON PARK**  
1620

**IA CERTIFICATE: SAEx S/08-517X**  
**A2F / A2FX CABLE GLAND RANGE**

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**Expiry Date: 30 October 2018**

### DESCRIPTION:

A2F is a single seal Ex de IIC Compression Gland providing sealing and cable retention onto the outer sheath of unarmoured cable. It comprises of a metallic outer compression nut, a tapered displacement seal and a metallic inner body. The glands are available with metric threads from 16mm to 110mm and NPT threads from ½ inch to 4 inch.

A2FX is a double seal Ex de IIC compression gland providing sealing and cable retention at 2 independent sealing points on the outer sheath of unarmoured cable. It comprises of a metallic outer compression nut, a tapered displacement seal, an inner compression nut, an inner displacement seal and a metallic inner body. Glands are available with metric threads from 16mm to 110mm and NPT threads from ½ inch to 4 inch.

All cable glands hold an IP rating of IP66.

### MARKING

Manufacturer:	CCG
Identification:	A2F / A2FX
ATEX Rating:	II 2 GD
Ex rating:	Ex de IIC
Epsilon Cert No:	06ATEX2066X

**In addition to the original marking, the SAEx IA number (S/08-517X) and Ex tD A20 IP66 must be applied in a visible, legible and indelible manner.**

### X - Special conditions of safe use:

- Cable glands only to be used on fixed installations of Group II apparatus; end-user is to ensure that adequate clamping of the cable has been made.
- Cable glands are not to be installed on Ex d group IIC equipment which has a free internal volume of more than 2 litres.
- Cable glands are only to be used with sealing ring provided by manufacturer.
- Temperature Range: -20°C to + 80°C

**Compliance:** The units as described above and examined in SAEx letter 08-517 and Epsilon Certificate No 06ATEX2066X are hereby certified "Explosion Protected" Ex de IIC and Ex tD A20 IP66, and is suitable for use in hazardous locations as stated below, as determined during inspections conducted in accordance with the relevant requirements of SANS Standards:

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**IA CERTIFICATE: SAEx S/08-517  
CCG A2F CABLE GLAND RANGE**

- SANS/IEC 60079-0 : 2006 “General Requirements”;
- SANS/IEC 60079-1 : 2004 “Flameproof Enclosures ‘d’”;
- SANS/IEC 60079-7 : 2003 “Increased Safety ‘e’”;
- SANS/IEC 61241-0:2004, “Electrical Apparatus for Use in the Presence of Combustible Dust – General Requirements”
- SANS/IEC 61241-1:2004, “Protection by Enclosures ‘tD’”

Locations	Zone 1 and 2 and Zone 20, 21 and 22	Surface
Hazardous Frequency		Intermittent / Continuous as could occur under normal operations
Environment	Group IIC	Propane to Hydrogen Metallic and non metallic dust
Limiting Temperature	-20°C to +80°C	

***The use of the apparatus in hazardous locations is subject to the following provision, which shall be adhered to:***

- i) SANS 10086 requirements;
- ii) Any relevant requirements of the MHS Act or the OHS Act;
- iii) Codes of Practice enforced in terms of Regulations 21.17/2 of the Minerals Act, by the Chief Inspector of Mines;
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines, Principal Inspector (Group I equipment) or Chief Inspector of Factories (Group II equipment); and
- v) Any conditions mentioned in the above test report.

**Conditions of certification:**

1. The apparatus must be additionally marked in a clear, legible, visible and indelible manner with the SAEx IA number and dust Ex rating as above.
2. This certificate only covers the equipment as certified above and does not include any scheduled additions or variations/amendments/new issues to the certificate(s), made after the above date.
3. The equipment does not need to be retested when used on the conditions and with such restrictions as prescribed by Epsilon and in this letter.
4. The Epsilon certification must remain valid.
5. The requirements in the ARP 0108 (or regulations) and SANS 10108, affecting the equipment, do not change.
6. The Ex quality assurance notification for the equipment and a South African Mark Scheme for the manufacture of the equipment remains valid.



**R. Wiljoen:  
TECHNICAL SPECIALIST  
SA EXPLOSION PREVENTION**

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