

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

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

5 July 2002

**IA CERTIFICATE: SABS MS/W454U  
CABLE GLAND - FLP TR**

**Description:** The "FLP TR" range of "Ex de I/IIC" Cable Glands for un-armoured cables each comprising of a metallic body, a seal, a spacer/compression element with a spring retaining ring, a rear seal and a seal compression nut. The glands are available with a metric (from M20 to M63) or NPT (from 1/2" to 2 1/2") entry threads.

**Marking:** Each unit shall be marked with at least the following engravings:

Manufacturer	: CCG
SABS Permit	: Logo and Permit number
Type	: FLP TR
Size	: -----
IA No	: SABS MS/W454U
Symbol	: DIP/Ex de I/IIC T6

**X - Special conditions of safe use:** None

**U - Incomplete assembly:** The glands must be used as part of a certified assembly only.

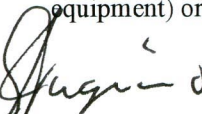
**Compliance:** The units as described above and tested/examined in SABS letter ref: 7234/W426 are hereby certified "Explosion Protected" DIP/Ex de I/IIC T6, and are suitable for use in hazardous locations as stated below, as determined during tests and inspections conducted in accordance with the relevant requirements of SABS Standards:

**SABS 808: 1994 / SABS 1031:1994 / SABS IEC 60079-0:2000 / SABS IEC 60079-1:2001 / SABS IEC 60079-7:2001 / SABS IEC 60529:1989 / SABS IEC 61241.1.1.1999**

Locations	Zone 1 / 2 and 21 / 22	Gas and Dust : Underground / Surface
Hazard Frequency		Intermittent as could occur under normal operating conditions in a hazardous area
Environment	Groups I, IIA, IIB, IIC	Methane to Acetylene
Limiting Temperature	T6	
Ingress Protection Rating	IP 66/68	

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

- i) SABS 086 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;
- v) Any restrictions and conditions enforced by the Chief Inspector of Mines, Principal Inspector (Group I equipment) or Chief Inspector of Factories (Group II equipment).

  
**G. Gagiano: SENIOR TEST OFFICER  
EXPLOSION PREVENTION TECHNOLOGY**

  
**R Viljoen: MANAGER**