



Issue Date: 10 December 2018
Expiry Date: 10 December 2028



IA Certificate Number: **MASC 18-2047**
Our ref: 18-2047

IA – CERTIFICATE

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

Certificate number: MASC 18-2047
Equipment: Standard glands (see description)
Serial No: N/A
Certificate Holder / Manufacturer: CCG Cable Terminations PTY (LTD)
Address: 33 - 37 Forge Road, Spartan Industrial Area, Kempton Park, 1619, South Africa

The evaluation was conducted according to the requirements of:

SANS 1213: 2017 (Ed 3): Mechanical Cable Glands.

DESCRIPTION OF EQUIPMENT:

The range of brass, Stainless Steel (SS316), Bronze, Mild Steel armoured / compression glands are issued with instructions / brochures, fully describing the sizes, functionality and construction of the gland(s). The range comprise of the following:

Armoured	
Product code	Description
0503	BW
0511	CW Integral Earth
0512 / 0553	CW / CW LSOH
0518/0528	E1W / E1W LSOH
0518IE	E1W Integral Earth
0546	IPLUS Corrosion Guard
0558	E1W Insulated
0576	CX/Z Insulated
0580	CW Integral Earth Insulated
0518LS	E1W Lead seal
0520	D1W
0508	E1U
0513	CX/Z
0517	E1X/Z
0532	CW Insulated
0518-LS-INS	E1W-LS-INS

Non-Armoured	
Product code	Description
0505	A2R
0535/0552	A2 / A2 LSOH
0535EMC	A2 EMC
0540	A2X
0592	A2-FHC
0538	Posi Flex

In addition, the following Ex certified glands (MASC MS/13-028X) are included for compliance to the industrial standard:

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Armoured	
E1EX (VS)(LS)(QS)	EXCG – LS
E1EX U (VS)(LS)(QS)	E1EX-D (VS)(LS)(QS)
E1EX LS	UNITEx
D1EX (QS)	UNITEx ~QS
CXe	UNITEx-F
CWe	UNITEx –F~QS
ExCG (VS)(LS)(QS)	VRTX SWA

Non-Armoured
Posi Grip (QS)
A2F (QS)
A2FX (QS)
A2FH (QS)
A2EX (VS)(LS)(QS)
A2EX-FHC (VS)(LS)(QS)
VRTX
A2FX-R (QS)

See Annex A for Gland classification.

MARKING:

See specific conditions below.

CONDITIONS OF CERTIFICATION / MANUFACTURE:

- The Brochure / instructions shall represent the information as required per the standard and evaluated in this report, considering the outcomes of the tests / review below and the brochures / instructions submitted for the review.
- The marking requirements and the documentation requirements of clause 7 of SANS 1213 shall be fully complied with by the manufacturer.

SPECIAL CONDITIONS FOR SAFE USE:

See specific requirements in relevant certificates for Hazardous location application.

A service temperature range of -65°C to 175°C (silicone seals and PTFE gasket) and -65°C to 125°C (EPDM and HDPE / Nylon / PTFE gasket) is applicable for the washers and seals utilized to maintain the IP rating.

COMPLIANCE:

The samples of the Standard glands as described above are deemed to be in compliance with the stated standard and have been tested and assessed according to the relevant clauses of this standard.

Yours faithfully



**Roelof Viljoen
TECHNICAL SPECIALIST**

Mining And Surface Certification

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment is representative and accurately performed, and that a report is accurate in the quoted results and conclusions drawn from the test / assessment, MASC or its members/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report issued pursuant to a test / assessment.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and routine tests have been successfully completed and the product complies with the documentation and standard(s).

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