

# Certificate of Compliance

**Certificate:** 1100772 (LR 58087-18)

**Master Contract:** 172439

**Project:** 1134902 (Edition 4)

**Date Issued:** October 5, 2000

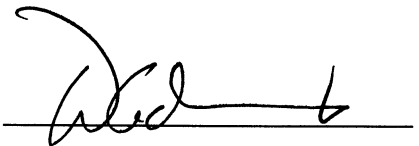
**Issued to:** BICC General UK Cables Limited  
Components Div  
Hall Lane Prescot  
Merseyside, L34 5UR  
United Kingdom

*The products listed below are eligible to bear the CSA Mark shown,  
with adjacent indicator "C" and "US".*



**Issued by:** Dave Adams P.Eng.

**Signature:**

A handwritten signature in black ink, appearing to read 'Dave Adams', is written over a horizontal line.

## CLASS

4418 05 - CABLE - Hardware For Hazardous Locations

4418 85 - CABLE - Hardware For Hazardous Locations - Certified to US Standards

## PRODUCTS

Ex d IIC & Ex e II, CSA Enclosure Type 4x

AEx d IIC & AEx e II, NEMA Type 4x

Type E1 (EXCEL) and EXCEL plus Cable Glands, M16-M75 sizes and 1/2" to 3" NPT.

## OTE :

1. Additional marking denoting trade size, and manufacturer information will be included.
2. These cable glands are designed for appropriate Steel Tape Armour (STA), Steel Wire Armour (SWA), Aluminum Wire Armour (AWA), and appropriate braided cable. These cables must be with extruded sealing (solid polymeric) completely surrounding the 'core' (insulation and conductor), allowing for no holes or ventilation through the inner jacket or along the cores.
3. Glands are for use with Ex d Enclosures with less than 2000 cc (2 Litres) internal volume.
4. According to CEC C22.1-98, Section 18-106 Part 3, Tapered Threads shall have 5 fully engaged threads, and where non-tapered threads are used in Groups IIC there must be 8 fully engaged threads.
5. IEC Canadian Standards may have either tapered or non-tapered threads which comply to ISO Standards.
6. These cable glands are designed for appropriate cable, as per the manufacturers specifications, to maintain integrity of the installation.

The "C" and "US" indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. This includes products eligible to bear the NRTL indicator. NRTL, i.e. Nationally Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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**APPLICABLE REQUIREMENTS**

The following standards were used as a guide in the evaluation of the products covered by this report.

- |                               |   |  |
|-------------------------------|---|--|
| CSA Standard C22.2 No 0-M1991 | - | General Requirements - Canadian Electrical Code Part II.   |
| 174-M1984                     | - | Cables and Cable Glands for Use in Hazardous Locations. (Reference Only).  |
| CAN/CSA E79-0-95              | - | Electrical apparatus for explosive gas atmospheres. PART 0: General requirements.  |
| E79-1-95                      | - | Electrical apparatus for explosive gas atmospheres. PART 1: Construction and verification test of flameproof enclosures of electrical apparatus. |
| UL Std No. 514B               | - | Fittings for Conduit and Outlet Boxes  |
| UL Std No. 2279               | - | Electrical Equipment for Use in Class I, Zone 0, 1 and 2 Hazardous (Classified) Locations  |



CSA INTERNATIONAL

## Supplement to Certificate of Compliance

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**Merseyside, L34 5UR**  
**United Kingdom**

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

Issued By: Dave Adams, P. Eng.

Signature

### Product Certification History

Project	Date	Description
LR 58087-18	June 28, 1999	Certification of Excel and Excel Plus Cable Glands for Hazardous Locations.
LR 58087-19	September 3, 1999	Corrections to the -18 File.
1100772	September 12, 2000	Supersedes Report LR 58087-18 to add NRTL/C.
1134902	October 5, 2000	Correction to Report 1100772.