



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx BAS 16.0011X Issue No: 0 Certificate history:  
Issue No. 0 (2016-06-07)

Status: **Current** Page 1 of 3

Date of Issue: **2016-06-07**

Applicant: **ABTECH Limited**  
199 Newhall Road,  
Sheffield,  
S9 2QJ  
**United Kingdom**

Equipment: **Type ABG Cable Glands (Barrier Type)**  
*Optional accessory:*

Type of Protection: **Flameproof, Increased Safety, Dust protection by enclosure**

Marking: Ex d IIC Gb  
Ex e IIC Gb  
Ex tb IIIC Db ( -60°C ≤Ta ≤ +100°C) IP66/67

*Approved for issue on behalf of the IECEx  
Certification Body:*

R S Sinclair

*Position:*

Technical Manager

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Baseefa (2001) Ltd.**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton, Derbyshire, SK17 9RZ**  
**United Kingdom**





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Manufacturer: **ABTECH Limited**  
199 Newhall Road,  
Sheffield,  
S9 2QJ  
**United Kingdom**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[GB/BAS/ExTR16.0019/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0046/09](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The ABG Cable Glands are intended for use with armoured or braided (screened) cable and comprise the following components:-

- a. An entry component, in the size range (M20 to M63)
- b. A ferrule (for compound filling)
- c. A two part epoxy filling compound
- d. A combined retaining spigot and armour clamping cone
- e. An armour clamping ring for steel wire armour cable
- f. An armour clamping ring for steel basket weave armour or braided(screened) cable
- g. A middle nut
- h. An outer displacement seal
- i. A back nut

The glands may be manufactured in brass or stainless steel which may be nickel plated to suit the application. The glands may be supplied with metric entry threads (as noted), or an alternative NPT entry thread of equivalent size

### Variation 0.1

Alternative ABLG Cable Gland assembly for use with lead sheathed cables incorporating a spring contact clip within the retaining spigot/armour clamp cone (item d.)

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. When used with unarmoured or braided cables, the cables shall be clamped and/or cleated to prevent pulling and twisting.
2. When used in dust environments the entry thread shall be sealed (in accordance with IEC60079-14) to maintain the ingress protection rating of the associated enclosure.
3. The spring contact clip of the ABLG gland assembly is a supplementary connection to the lead sheath and shall not form the sole earth connection on which the type of protection relies.