UK Type Examination Certificate CML 23UKEX1004X Issue 1

United Kingdom Conformity Assessment

1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

2 Equipment **APEX A2e, and APEX C*e Range of Cable Glands**

3 Manufacturer **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**

4 Address **Oxford Street West,**
Ashton-under-Lyne,
Lancashire,
OL7 0NA
United Kingdom

5 The equipment is specified in the description of this certificate and the documents to which it refers.

6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.

8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 IEC 60079-31:2022 Ed. 3

10 The equipment shall be marked with the following:

Ex II 2G

II 1D

Ex eb IIC Gb

Ex ta IIIC Da

Ts= -60°C to +130°C

IP66/67

UKAS PRODUCT CERTIFICATION 8175

11 Description

The Hawke APEX A2e Range of cable glands are provided with a single seal, designed to form a seal around the outer sheath of a cable and are intended for use with circular non armoured and braided cables.

The cable gland is comprised of the following components:

1. Entry
2. Compression Seal
3. Slip ring
4. Tailnut

The Hawke APEX C*e Range of cable glands are designed to form a seal around the outer sheath of a cable and are intended for use with a range of circular cables including armoured, non-armoured and braided cables. The gland type includes an integral armour/braid grounding device.

The cable gland is comprised of the following components:

1. Entry
2. Deluge Boot
3. Armour Clamping Ring(s)
4. Middlenut
5. Compression Seal
6. Slip Ring
7. Backnut

All types of glands have a suitable service temperature of -60°C to +130°C.

These cable glands are manufactured in brass, or stainless steel; all of which may be plated to suit the application. The glands may be provided with metric or imperial (NPT) entry threads (alternative thread types maybe applied). These cable glands are available in sizes Os up to and including F. The glands utilise thermoset rubber seals.

The gland assemblies as described above are rated for ingress protection of IP66/67. Use of Hawke IP sealing washers may be considered a suitable sealing method to maintain IP rating to the enclosure (see conditions of use) and will maintain the service temperature of the APEX cable gland range.

These cable glands may be fitted with a Hawke Gland Mounted Clamp (GMC) accessory. When fitted, no additional clamping is required for fixed installations.

The APEX C*e is provided with configurable armour clamping options, typically marked with either CUe, CXe or CWe where:

- U = suits all types of Braid, Tape and Wire Armour
- X = generally suits Braid and Tape
- W = generally suits Wire Armour

All variants of the APEX C*e are dimensionally identical with the exception of the type of ring supplied.

Variation 1

This variation introduces the following modifications

i. The introduction of the APEX A2e range cable glands.
ii. To update IEC 60079-31 to the latest edition.
iii. To recognise an editorial change to the product description.
iv. To recognise an editorial update to the Specific Condition of Use.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	08 May 2023	R16051A/00	Issue of Prime Certificate
1	18 Dec 2023	R17187A/00	Introduction of Variation 1

Note: Drawings that describe the equipment are listed in the Annex.

13 Conditions of Manufacture

None

14 Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

i. When the glands are used for increased safety or dust protection the entry thread shall be suitably sealed (in accordance with EN 60079-14) to maintain the ingress protection rating of the associated enclosure. Not applicable when Hawke IP 66/67 sealing washer is used.
ii. Glands for use with unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting (does not apply when fitted with rear clamping device or Hawke Gland Mounted Clamp (GMC)).

Certificate Annex

Certificate Number	**CML 23UKEX1004X**
Equipment	**APEX A2e, and APEX C*e Range of Cable Glands**
Manufacturer	**Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**

The following documents describe the equipment defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
320002	1 of 1	B	08 May 2023	Armour Clamping Ring
320007	1 of 1	B	08 May 2023	Deluge Boot
320011	1 to 3	A	08 May 2023	Thread Specification
320093	1 of 1	A	08 May 2023	APEX C*e Schedule Drawing
320098	1 of 1	A	08 May 2023	APEX C-Type Compression Seal Entry
320101	1 of 1	A	08 May 2023	Dedicated RAC
320103	1 of 1	A	08 May 2023	Middlenut
320104	1 of 1	A	08 May 2023	APEX E/C Type Backnut seal
320105	1 of 1	A	08 May 2023	APEX E/C Type Backnut
320106	1 of 1	A	08 May 2023	Gland metallic materials

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
320095	1 of 1	B	18 Dec 2023	APEX A-Type Compression Seal Entry
320123	1 of 1	A	18 Dec 2023	APEX A2e SCHEDULE DRAWING