



- (2) **Equipment and protective systems intended for use in potentially explosive atmospheres
Directive 94/9/EC**

(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (3) Number of the EC type examination certificate: **INERIS 13ATEX0008X**

- (4) Equipment or protective system: **CABLE GLANDS TYPE NEWCAP**

- (5) Manufacturer: **COOPER CAPRI S.A.S**

- (6) Address: **36-40 rue des Fontenils
F - 41600 Nouan Le Fuzelier**

- (7) This equipment or protective system and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

- (8) INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in annex II of the Directive.

The examinations and the tests are consigned in report No 026388/13.


- (9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0	: 2009	IEC 60079-0	: 2011
EN 60079-7	: 2007	IEC 60079-7	: 2006
EN 60079-31	: 2009	IEC 60079-31	: 2008

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.
- (11) This EC type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system, these are not covered by this certificate.
- (12) The marking of the equipment or the protective system will have to contain:

 II 2 GD

Verneuil-en-Halatte, 2013.06.07



The Chief Executive Officer of INERIS,
By delegation
T. HOUeix
Ex Certification Officer

(13) **ANNEX**

(14) **EC TYPE EXAMINATION CERTIFICATE N° INERIS 13ATEX0008X**

(15) **DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM**

NEWCAP cable glands, with simple neoprene sealing ring, for non armoured cable or braided cable, made in stainless steel, brass, bronze or aluminum alloy, provides a protection degree IP66 and IP68 according to IEC 60529.

The threaded joint can be cylindrical, Metric in accordance with the ISO 965/1 and 965/3, Pg in accordance with DIN 40430 or Conical NPT according to ANSI/ASME B1.20.1.

The verification of the protection degree IPX8 corresponds to an immersion under 30 meters of water during 7 days.

They are protected by increased safety and dust protection. Furthermore, they also may be fitted on 'Ex i', 'Ex m', 'Ex n', 'Ex o', 'Ex p' and 'Ex q' equipment.

PARAMETERS RELATING TO THE SAFETY

These cable glands are intended with the following sizes and threaded joints:

- n° 4/3 to n° 11 for cable external diameter from 3 to 53 mm.
- Cylindrical thread from M12 to M75 inclusive, according to ISO 965-1 and 965-3.
- Conical thread from NPT 1/4" to NPT 2 1/2" inclusive, according to ANSI/ASME B1.20.1.
- Cylindrical thread from Pg7 to Pg48 inclusive, according to DIN 40430.

These cable glands are intended for the service temperature from -20°C to 80°C.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

CCH CAPRI
F - 41600 Nouan Le Fuzelier
NEWCAP... (1)
INERIS 13ATEX0008X
(Year of construction)

 II 2 GD

Ex eb IIC

Ex tb IIIC IP66

(Type and size of thread)

(1) Type is completed by letters and numbers corresponding to the manufactured variations.

On the sealing ring: size number to indicate the minimum and maximum cable diameters.

The sealing ring is identified allowing the user to determine if the ring is appropriate for the cable gland.

On the small cable glands the marking can be reduced at:

CCH CAPRI
NEWCAP...(1)
INERIS 13ATEX0008X

(1) Type is completed by letters and numbers corresponding to the manufacturer variations.

On the sealing ring: size number to indicate the minimum and maximum cable diameters.

The sealing ring is identified allowing the user to determine if the ring is appropriate for the cable gland.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation of the equipment, subject of this certificate.

- Certification file SRD/Certificate/INERIS/NEWCAP File Rev-I-0 dated and signed on 2013.01.16

(17) SPECIAL CONDITIONS FOR SAFE USE

The user shall provide additional clamping of the cable nearby to the enclosure on which the cable gland is installed.

The other conditions are stipulated in the instructions.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is ensured by:

- Conformity to the standards quoted in clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.