



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

Certificate No.: IECEx PRE 17.0063X

Issue No: 1

Certificate history:

[Issue No. 1 \(2018-12-19\)](#)

[Issue No. 0 \(2017-12-22\)](#)

Status: **Current**

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Date of Issue: **2018-12-19**

Applicant: **OSCG Co. Ltd.**
1242, Nakdong-Daero, Sasang-Gu, Busan
Korea, Republic of

Equipment: **Cable Glands for armoured cables (OS-E1UF/OS-E1UFWC)**

Optional accessory:

Type of Protection: **Ex db, Ex eb, Ex tb**

Marking:

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

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

Bjørn Spongsveen

Position:

Certification 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](#).

Certificate issued by:

DNV GL Nemko Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **OSCG Co. Ltd.**
1242, Nakdong-Daero, Sasang-Gu, Busan
Korea, Republic of

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 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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	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:

[NO/PRE/ExTR17.0067/00](#)

[NO/PRE/ExTR17.0067/01](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers a range of cable glands made of brass or stainless steel, intended for use with for circular armoured cables and suitable for certified Ex d /e/tb enclosures. Clamping inserts allows 360° contact to the armour.

Optionally lead sheath washer is provided for the electrical connection to a layer of lead or other metallic sheath.

OS-E1UF cable glands are designed to be used with both armoured & braided cable glands.

OS-E1UFWC is a variant with clamping that guide the cable.

See ANNEX for sized and details.

Degrees of protection (IP Code): IP66/67 according to EN 60079-0 & EN 60529

Service Temperature: -60°C to +110°C

SPECIFIC CONDITIONS OF USE: YES as shown below:

Additional clamping of cable shall be installed to ensure that pulling and twisting is not transmitted to the terminal.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

00 -Initial Issue

01- Assessment to include OS-E1UFWC

Annex:

[Annex to IECEx certificate.pdf](#)

Annex to certificate: IECEx PRE 17.0063X

OS- E1UF/OS-E1UFWC:

Type	Entry		Diameter of Inner sheath mm		Diameter of outer sheath mm	
OS- E1UF/OS-E1UFWC:	Metric	NPT	Min	Max	Min	Max
* OS-E1UF 16	M16x1.5 M20x1.5	½"	5	11.5	7	16.1
OS-E1UF 20	M20x1.5 M25x1.5	½" or ¾"	7.5	15.2	12	21
OS-E1UF 25	M25x1.5	¾" or 1"	13	19.6	17	26.2
OS-E1UF 32	M32x1.5	1" or 1 ¼"	16.5	26.2	22	34
OS-E1UF 40	M40x1.5	1 ¼" or 1 ½"	23	32.3	30	42
OS-E1UF 50	M50x1.5	1 ½" or 2"	29	41.5	38	53.7
OS-E1UF 63	M63x1.5	2" or 2 ½"	39	50	45	60
OS-E1UF 63X	M63x1.5	2 ½"	46	55	52	66
OS-E1UF 75	M75x1.5/2	2 ½" or 3"	52	61	58	72
OS-E1UF 75X	M75x1.5/2	3"	59	67	66.1	79
OS-E1UF 90	M90x1.5/2	3" or 3 ½"	66	80	72	90
OS-E1UF 100	M100x1.5/2	3 ½" or 4"	76	90.5	84	102
OS-E1UF 115	M115x1.5/2	4"	88	102	100	118

*-E1UFWC doesn't include the size