



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX DNV 24.0143X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2025-05-05

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

Equipment: **Cable glands for non-armoured, armoured cable & braided cable (OS-E1UF / OS-E1UFWC / OS-E1UF-EP / OS-E1UF-MH/ OS-E1UF-MC)**

Optional accessory:

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

Marking: Ex db IIC Gb, Ex db I Mb,
Ex eb IIC Gb, Ex eb I Mb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2025-05-05

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Page 2 of 3

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

Manufacturing
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[NO/DNV/ExTR24.0140/00](#)
[NO/PRE/ExTR17.0067/02](#)

[NO/PRE/ExTR17.0067/00](#)
[NO/PRE/ExTR17.0067/03](#)

[NO/PRE/ExTR17.0067/01](#)
[NO/PRE/ExTR17.0067/04](#)

Quality Assessment Report:

[NO/NEM/QAR15.0003/06](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Certificate covers the range of Cable glands for the type OS-E1UF / OS-E1UFWC/ OS-E1UF-EP/ OS-E1UF-MH/OS-E1UF-MC and suitable for certified Ex d /e/tb enclosures. Glands can be made from aluminium, brass & stainless steel. Refer sizes for more details.

Aluminium material not intended for Group I.

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.

OS-E1UF-EP/ OS-E1UF-MH is a variant that has provision for flexible hose / flexible braid conduit that are welded to the compression unit and has no outer sealing ring. Flexible hose / flexible braid doesn't provide any Ex protection. This is additional protection for the cable. This variant doesn't have provision to include clamping for armour / braid.

OS-E1UF-MH is a variant that has provision for metal hose attached to the compression unit and has no outer sealing ring. Metal hose doesn't provide any Ex protection. This is additional protection for the cable. This variant doesn't have provision to include clamping for armour / braid.

OS-E1UF-MC is a variant used for metal clad cable.

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.

For Ex d protection type on a specific request, PF threads, JIS B0202 may be used. The previous edition of standard from which the thread type requirements were applied from IEC 60079-1:2001. This allowance for the use of "other external thread types" is for the manufacture of replacement entry devices for equipment in existing installations only, that incorporate internal thread types that are no longer permitted by the current edition of IEC 60079-1. (IEC 60079-1, Ed.7, C.2.2.1 Threaded joints, Note 1).

For Ex e, other types of screws such as PF and PG can also be used.

The change of certificate number (IECEX PRE 17.0063X) is due to the change of the certification body's name from DNV Presafe AS to DNV Product Assurance AS, and this change is now applied when update the standards to latest standards. Therefore, the product with previous marking of IECEX PRE 17.0063X and new marking IECEX DNV 24.0143X are allowed to be used together with Service Temperature: -60°C to +110°C

See ANNEX for size and details.

Degrees of protection (IP Code):

SS & Brass: IP66/68.

Aluminium Glands IP66/67.

Glands with Nylon washer - IP66 & 68 for all size (12~115).

Glands with NPT threads - IP66 & 68 for all size (3/8"~4")

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

Refer instruction manual for safe use.

Annex:

[Annex to IECEX DNV 24.0143X.pdf](#)

Annex to certificate: IECEx DNV 24.0143X Issue 0

Type and sizes of the cable gland: Aluminum, SS & Brass glands**

Type OS-E1UF / OS- E1UFWC / OS-E1UF-EP/ OS-E1UF-MH OS-E1UF-MC	Entry		Diameter of Inner sheath mm		Diameter of outer sheath mm	
	Metric	NPT	Min	Max	Min	Max
* OS-E1UF 16	M12x1.5 M16x1.5 M20x1.5	3/8" or 1/2"	5	11.5	9	15.5
OS-E1UF 20	M20x1.5 M25x1.5	1/2" or 3/4"	7.5	15.2	13.2	20.5
OS-E1UF 25	M25x1.5	3/4" or 1"	13	19.6	17	26
OS-E1UF 32	M32x1.5	1" or 1 1/4"	16.5	26.2	24	33.5
OS-E1UF 40	M40X1.5	1 1/4" or 1 1/2"	23	32.3	30	41.5
OS-E1UF 50	M50X1.5	1 1/2" or 2"	29	41.5	38	50
OS-E1UF 63	M63X1.5	2" or 2 1/2"	39	50	45	60
OS-E1UF 63X	M63X1.5	2 1/2"	46	55	55	66
OS-E1UF 75	M75X1.5/2	2 1/2" or 3"	52	61	58	72
OS-E1UF 75X	M75X1.5/2	3"	59	67	66.1	79
OS-E1UF 80	M80x1.5/2	3" or 3 1/2"	66	73	72	90
OS-E1UF 90	M90x1.5/2	3" or 3 1/2"	66	80	72	90
OS-E1UF 100	M100x1.5/2	3 1/2" or 4 "	76	90.5	84	101.5
OS-E1UF 115	M115x1.5/2	4"	88	102	100	116
*-E1UFWC doesn't include the size						

** - Aluminium material not intended for Group I.