

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE00002M2
Revision No:
3

This is to certify:
that the Cable Gland

with type designation(s)
SKINTOP MS-M & MS-M-XL, MS-M BRUSH & MS-M BRUSH XL, MSR-M & MSR-M-XL, MS-SC-M & MS-SC-M-XL

issued to
U.I. Lapp GmbH
Stuttgart, Germany

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Material	Metallic
Suitable for open deck	Yes
Suitable for Hazardous areas	No

Issued at **Høvik** on **2026-09-15**

This Certificate is valid until **2028-05-21**.

DNV local unit: **Augsburg**

Approval Engineer: **Sivabalan Ayyakkannu**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

Cable gland of nickel plated brass (PA6, CR/NBR).

Types MS-M & MS-M-XL, MS-M BRUSH & MS-M BRUSH XL, MSR-M & MSR-M-XL, MS-SC-M & MS-SC-M-XL

Classification according to DIN EN 62444

6.1 Material	Metallic
6.2.2 Mechanical properties	With cable anchorage, type A.
6.2.3 Impact category	6
6.3 Electrical properties	Not declared
6.4.1 IP class	IP68/69* (10 bar for 30 minutes) IP68/69^ (5 bar for 30 minutes) IP68^^ (1 bar for 30 minutes)
6.4.2 Temperature range	-25 °C to +100 °C

* applicable from M12 to M50;

^ applicable from M63 to M75; for MSR-M series applicable only to M63

^^ applicable only to M75; for MSR-M, MSR-M BRUSH series

Overview MS-M

Size of thread	Cable diameter min/max [mm]:	Part number: MS-M	Part number: MS-M Lead free	Part number: MS-M BRUSH:	Part number: MS-M BRUSH Lead free
M12x1,5	3,5-7	53112000	53112000LF	-	
M16x1,5	4,5-10	53112010	53112010LF	53112506	53112506LF
M20x1,5	7-13	53112020	53112020LF	53112507	53112507LF
M25x1,5	9-17	53112030	53112030LF	53112676	53112676LF
M32x1,5	11-21	53112040	53112040LF	53112677	53112677LF
M40x1,5	19-28	53112050	53112050LF	53112678	53112678LF
M50x1,5	27-35	53112060	53112060LF	53112679	53112679LF
M63x1,5	34-45	53112070	53112070LF	53112680	53112680LF
M63x1,5 plus	44-55	53112080	53112080LF	53112681	53112681LF
M75x1,5	58-68	53112510	53112510LF	53112501	53112501LF

Overview MS-M-XL

Size of thread	Cable diameter min/max [mm]:	Part number: MS-M-XL	Part number: MS-M-XL Lead free	Part number: MS-M-XL BRUSH	Part number: MS-M-XL BRUSH Lead free
M12x1,5	3,5-7	53112005	53112005LF	-	
M16x1,5	4,5-10	53112015	53112015LF	53112516	53112516LF
M20x1,5	7-13	53112025	53112025LF	53112527	53112527LF
M25x1,5	9-17	53112035	53112035LF	53113727	53113727LF
M32x1,5	11-21	53112045	53112045LF	53113728	53113728LF
M40x1,5	19-28	53112055	53112055LF	53113729	53113729LF
M50x1,5	27-35	53112065	53112065LF	53112673	53112673LF

Overview MSR-M

Size of thread	Cable diameter min/max [mm]:	Part number: MSR-M	Part number: MSR-M Lead free
M12x1,5	2-5	53112100	53112100LF
M16x1,5	2-7	53112110	53112110LF
M20x1,5	5-10	53112120	53112120LF
M25x1,5	6-13	53112130	53112130LF
M32x1,5	7-15	53112140	53112140LF
M40x1,5	15-23	53112150	53112150LF
M50x1,5	22-29	53112160	53112160LF
M63x1,5	28-39	53112170	53112170LF
M75x1,5	53-63	53112511	53112511LF

Overview MSR-M-XL

Size of thread	Cable diameter min/max [mm]:	Part number: MSR-M-XL	Part number: MSR-M-XL Lead free
M12x1,5	2-5	53112105	53112105LF
M16x1,5	2-7	53112115	53112115LF
M20x1,5	5-10	53112125	53112125LF
M25x1,5	6-13	53112135	53112135LF
M32x1,5	7-15	53112145	53112145LF
M40x1,5	15-23	53112155	53112155LF
M50x1,5	22-29	53112165	53112165LF

Overview MS-SC-M

Size of thread	Cable diameter min/max [mm]:	Part number: MS-SC-M	Part number: MS-SC-M Lead free
M12x1,5	3,5-7	53112610	53112610LF
M16x1,5	4,5-10	53112620	53112620LF
M20x1,5	7-13	53112630	53112630LF
M25x1,5	9-17	53112640	53112640LF
M32x1,5	11-21	53112650	53112650LF
M40x1,5	19-28	53112660	53112660LF
M50x1,5	27-35	53112670	53112670LF

Overview MS-SC-M-XL

Size of thread	Cable diameter min/max [mm]:	Part number: MS-SC-M-XL	Part number: MS-SC-M-XL Lead free
M12x1,5	3,5-7	53112615	53112615LF
M16x1,5	4,5-10	53112625	53112625LF
M20x1,5	7-13	53112635	53112635LF
M25x1,5	9-17	53112645	53112645LF
M32x1,5	11-21	53112655	53112655LF
M40x1,5	19-28	53112665	53112665LF
M50x1,5	27-35	53112675	53112675LF

Application/Limitation

Manufacturer's installation description, instructions and DNV rules to be followed
 Not to be used in bulkheads/decks or for penetrating boundaries of tanks

Type Approval documentation

Data sheets:

Lapp kabel DB53112000EN V31, DB53112680EN V23, DB53112005EN V13, DB53112500EN V08, DB53112527 V07, DB53112610EN V25

Lapp drawing number DM53112000DE_EN

Lapp drawing number DM53112100DE_EN

Lapp drawing number DM53112005DE_EN

Lapp drawing number DM53112105DE_EN

Lapp drawing number DM53112610DE_EN

Lapp Instruction sheet BS04_2889-10

Lapp drawing number DM53112615DE_EN

Lapp drawing number DM53112676DE_EN

Lapp instruction sheet BS09_3826-03

Test reports:

VDE Prüf und Zertifizierungsinstitut, Marks Licence no. 40009442 updated 10.11.2016

VDE Prüf und Zertifizierungsinstitut, Marks Licence no. 40009439 updated 16.08.2016

Underwriters Laboratories Inc. Test report file E79903

VDE Prüf und Zertifizierungsinstitut Zeichengenehmigung, Certificate No. 40009442 updated 2025-05-16

VDE Prüf und Zertifizierungsinstitut Zeichengenehmigung, Certificate No. 40009439 updated 2025-05-19

Tests carried out

Type test report in accordance with DIN EN 62444:2014-05; EN 62444:2013

Marking of product

U.I. Lapp – Type designation.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE