DNV·GL

Certificate No:
TAE00002NC

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Gland

with type designation(s)
SKINTOP BS-M

Issued to
U.I. Lapp GmbH
Stuttgart, Germany

is found to comply with
DNV GL 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 GL.

Material	**Plastic**
Suitable for open deck	**No**
Suitable for Hazardous areas	**No**

Issued at **Hamburg** on **2018-02-09**
This Certificate is valid until **2023-02-08**.
DNV GL local station: **Augsburg**

Approval Engineer: **Carsten Hunsalz**

for **DNV GL**

Arne Schaarmann
Head of Section

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.

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Product description

Cable gland of polyamide with spiral bending protection. Type BS-M.

Classification according to DIN EN 62444

6.1 Material	Non metallic
6.2.2 Mechanical properties	With cable anchorage, type A.
6.2.3 Impact category	3 (M12 & M16) 5 (M20 to M32)
6.3 Electrical properties	Not declared
6.4.1 IP class	IP68
6.4.2 Temperatur range	-20 ºC to +100 ºC

Overview BS-M

Size of thread	**Cable diameter min/max [mm]:**	**Article no silver grey**	**Article no light grey**	**Article no black**
M12x1,5	3,5-7	5311 1600	5311 1800	5311 1700
M16x1,5	4,5-10	5311 1610	5311 1810	5311 1710
M20x1,5	7-13	5311 1620	5311 1820	5311 1720
M25x1,5	9-17	5311 1630	5311 1830	5311 1730
M32x1,5	11-21	5311 1640	5311 1840	5311 1740

Application/Limitation

Manufacturer's installation description, instructions and DNV GL rules to be followed
Not no be used in bulkheads/decks or for penetrating boundaries of tanks

Type Approval documentation

Tests carried out

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

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