DNV·GL

Certificate No:
TAE0000262

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Termination and Joint for Cable

with type designation(s)
QT-II & QT-III

Issued to
3M Company
Saint Paul MN, United States

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2017-08-09**
This Certificate is valid until **2022-06-30**.
DNV GL local station: **Houston**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**

Andreas Kristoffersen
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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Job Id: **262.1-007874-4**
Certificate No: **TAE0000262**

Product description

Medium Voltage Indoor and Outdoor Termination 6,6 kV, 15 kV & 25 kV.
Type: QT-II & QT-III termination and accessories

QT-II Indoor and Outdoor Terminations

5620K Series indoor termination kits 5 to 15 kV:	5621K - 5625K
5630K Series outdoor termination kits 5 to 15 kV:	5632K - 5637K
5650K Series indoor & outdoor termination kits 15 to 25 kV:	5651K - 5654K
5670 Series indoor termination kits 15 kV:	5671 - 5672

QT-III Silicone Rubber Terminations

76XX-T- Series indoor tubular termination 5 to 25 kV:	7620-T-95 -7696-T-150
76XX-S- Series outdoor skirted termination 5 to 25 kV:	7620-S-2 - 7686-S-8

3/C Accessories
Breakout boot: Cold shrink and heat shrink type boots
Re-jacketing tube: RJS-1 – RJS-6: MDT tube for jacketing.

Application/Limitation

Installation has to be done in accordance with the installation instructions.

Type Approval documentation

Tests carried out

Tested according to IEEE Std.48 (1996).

Marking of product

3M Company – Factory Identification – Product Description and Kit Number – Voltage class.

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