Certificate no.:
TAE00004YF

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Termination and Joint for Cable

with type designation(s)
QS-III Silicone insulated inline splice 15kV, 25/28kV, 35kV

issued to
3M Company
Saint Paul, MN, USA

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

Application:

High voltage cable splice kits.
Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2024-12-05**
This Certificate is valid until **2029-12-04**.
DNV local unit: **Houston**

for **DNV**

Approval Engineer: **Ivar Bull**

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.

Manufacturing place
New Ulm, MN.

Product description
QS-III Silicone insulated inline splice 15kV, 25/28kV, 35kV
With the following kit numbers:

1-core cable molded rubber inline splice kits 15 kV QS-III 5415A, 5416A, 5417A, 5418A, 5515A
1-core cable molded rubber inline splice kits 25/28kV QS -III 5456A, 5456A-WG, 5457A, 5457A-WG, 5458A, 5458A-WG
1-core cable molded rubber inline splice kits 25/28kV QS-III 5524A, 5525A, 5526A
1-core cable molded rubber inline splice kits 35kV QS-III 5467A, 5467A-WG, 5468A, 5468A-WG
1-core cable molded rubber inline splice kits 35kV QS-III 5535A, 5536A

Application/Limitation
Installation shall be done in accordance with the installation instructions.

Type Approval documentation

Tests carried out
Tested according to IEEE Std.404 (2012).

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