DNV·GL

Certificate No:
TAE00003DZ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Termination and Joint for Cable

with type designation(s)
Medium voltage terminations for cable: HVT-G/SG

Issued to
Tyco Electronics Raychem GmbH
Ottobrunn, Germany

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

Application :

Medium voltage termination for Copper Taped, Wire Shielded, Lead Sheathed and Unshielded Cable.

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

Issued at **Hamburg** on **2019-04-11**
This Certificate is valid until **2024-04-10**.
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

Medium voltage terminations for cable: HVT-G/SG

Catalogue number		Conductor size
Indoor	Outdoor	(AWG/kcmil)
5 kV		
HVT-80-G	HVT-80-SG	#4-#1
HVT-81-G	HVT-81-SG	1/0 – 250
HVT-82-G	HVT-82-SG	300-500
HVT-83-G	HVT-83-SG	600-1750
HVT-84-G	HVT-84-SG	1500-2500
8 kV		
HVT-80-G	HVT-80-SG	#6-#2
HVT-81-G	HVT-81-SG	#1-4/0
HVT-82-G	HVT-82-SG	250 – 500
HVT-83-G	HVT-83-SG	600 – 1750
HVT-84-G	HVT-84-SG	2000 – 2500
15 kV		
HVT-151-G	HVT-151-SG	#4-1/0
HVT-152-G	HVT-152-SG	2/0 – 350
HVT-153-G	HVT-153-SG	400 – 1000
HVT-154-G	HVT-154-SG	1250 - 2500

Application/Limitation

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

Type Approval documentation

Tests carried out

Tested according to IEEE-48-1990, class 1.

Marking of product

Raychem - Product type - Batch no.

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