

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Termination and Joint for Cable**

with type designation(s)

Medium voltage terminations for single and multi-core cables: EPKT-7 and EPKT-17

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 :****For installations inside switchboard/enclosures onboard ships and offshore units. 7,2 kV, 12 kV and 17,5 kV.****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**for **DNV GL**Approval Engineer: **Carsten Hunsalz**

**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.



Product description

Terminations for single and multi-core cables. Max. voltage according to table below.
Each kit consists all parts needed for a complete termination excluding the connection lugs.

Single core plastic cable indoor		
Kit	Voltage class	Cross section
	(kV)	(mm ²)
EPKT 7A 1XI	7,2	16 - 50
EPKT 7B 1XI	7,2	70 - 120
EPKT 7C 1XI	7,2	150 - 240
EPKT 7D 1XI	7,2	300 - 500
EPKT 7E 1XI	7,2	630 - 1000
EPKT 17A 1XI	12 to 17,5	16 - 25
EPKT 17B 1XI	12 to 17,5	35 - 70
EPKT 17C 1XI	12 to 17,5	95 - 240
EPKT 17D 1XI	12 to 17,5	300 - 400
EPKT 17E 1XI	12 to 17,5	500 - 800
EPKT 17F 1XI	12 to 17,5	800 - 1000

Three core plastic cable indoor			
Kit	Voltage class	Cross section	Tail
	(kV)	(mm ²)	(mm)
EPKT 7A 3XI-H1	7,2	16 - 50	450
EPKT 7A 3XI-H2	7,2	16 - 50	650
EPKT 7A 3XI-H3	7,2	16 - 50	800
EPKT 7A 3XI-H4	7,2	16 - 50	1200
EPKT 7B 3XI-H1	7,2	70 - 120	450
EPKT 7B 3XI-H2	7,2	70 - 120	650
EPKT 7B 3XI-H3	7,2	70 - 120	800
EPKT 7B 3XI-H4	7,2	70 - 120	1200
EPKT 7C 3XI-H1	7,2	150 - 240	450
EPKT 7C 3XI-H2	7,2	150 - 240	650
EPKT 7C 3XI-H3	7,2	150 - 240	800

Three core plastic cable indoor			
Kit	Voltage class	Cross section	Tail
	(kV)	(mm ²)	(mm)
EPKT 7C 3XI-H4	7,2	150 - 240	1200
EPKT 7D 3XI-H1	7,2	300 - 500	450
EPKT 7D 3XI-H2	7,2	300 - 500	650
EPKT 7D 3XI-H3	7,2	300 - 500	800
EPKT 7D 3XI-H4	7,2	300 - 500	1200
EPKT 17A 3XI-H1	12 - 17,5	16 - 25	450
EPKT 17A 3XI-H2	12 - 17,5	16 - 25	650
EPKT 17A 3XI-H3	12 - 17,5	16 - 25	800
EPKT 17A 3XI-H4	12 - 17,5	16 - 25	1200
EPKT 17B 3XI-H1	12 - 17,5	35 - 70	450
EPKT 17B 3XI-H2	12 - 17,5	35 - 70	650
EPKT 17B 3XI-H3	12 - 17,5	35 - 70	800
EPKT 17B 3XI-H4	12 - 17,5	35 - 70	1200
EPKT 17C 3XI-H1	12 - 17,5	95 - 240	450
EPKT 17C 3XI-H2	12 - 17,5	95 - 240	650
EPKT 17C 3XI-H3	12 - 17,5	95 - 240	800
EPKT 17C 3XI-H4	12 - 17,5	95 - 240	1200
EPKT 17D 3XI-H1	12 - 17,5	300 - 400	450
EPKT 17D 3XI-H2	12 - 17,5	300 - 400	650
EPKT 17D 3XI-H3	12 - 17,5	300 - 400	800
EPKT 17D 3XI-H4	12 - 17,5	300 - 400	1200

Application/Limitation

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

Type Approval documentation

Tests carried out

Tested according to CENELEC HD 629.1 S1 and IEC 60502-4.

Marking of product

Tyco Electronics Raychem - Manufacturers kit number.

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