

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electric Power Cable**

with type designation(s)

SEYCBY & DEYCY & TEYCY & DEYCYE & FEYCY & TEYCYE & 5EYCY & FEYCYE & 6EYCY & 10EYCY & SEYCBYS & DEYCYS & TEYCYS & FEYCYS & 5EYCYS & 6EYCYS & 10EYCYS

Issued to

TMC Co., Ltd**Cheonan-si, Chungcheongnam-do, Republic of Korea**

is found to comply with

**DNV GL rules for classification – Ships, offshore units, and high speed and light craft
IEC 60092-353 (2016-09)****Application :****General power and lighting. Low temperature.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Rated voltage (kV) 0.6/1****Temp. class (°C) 90**Issued at **Busan** on **2018-08-10**This Certificate is valid until **2022-12-31**.for **DNV GL**DNV GL local station: **Seoul**Approval Engineer: **Dong Ho Park**

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Michael Jost Auf der Stroth
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

Type: SEYCBY & DEYCY & TEYCY & DEYCYE & FEYCY & TEYCYE & 5EYCY & FEYCYE & 6EYCY & 10EYCY & SEYCBYS & DEYCYS & TEYCYS & FEYCYS & 5EYCYS & 6EYCYS & 10EYCYS

Construction:

Conductors:	Tinned, stranded copper class 2
Core insulation:	HEPR
Screen:	Tinned copper wire braid or AL/PS Tape + Drain wire (S type only)
Inner sheath:	PVC(ST2)
Metal covering:	Galv. Steel wire braid or Copper wire braid (CB type only)
Outer sheath:	PVC(ST2)

Number of cores x conductor cross-section mm ²	Number of cores x conductor cross-section mm ²	Number of cores x conductor cross-section mm ²	Number of cores x conductor cross-section mm ²
SEYCBY/SEYCBYS	2 x 10	3 x 120*	4 x 6
1 x 1.5	2 x 16	3 x 150	TEYE
1 x 2.5	2 x 25	3 x 185	3 x 1.5 + E
1 x 4	2 x 35	DEYE	3 x 2.5 + E
1 x 6	2 x 50	2 x 1.5 + E	3 x 4 + E
1 x 10	2 x 70	2 x 2.5 + E	5EYCY/5EYCYS*
1 x 16	2 x 95	2 x 4 + E	5 x 1.5
1 x 25	2 x 120	2 x 6 + E	5 x 2.5*
1 x 35	2 x 150	2 x 10 + E	5 x 4
1 x 50	2 x 185	2 x 16 + E	FEYE
1 x 70	TEYCY/TEYCYS*	2 x 25 + E	4 x 1.5 + E
1 x 95	3 x 1.5*	2 x 35 + E	4 x 2.5 + E
1 x 120	3 x 2.5*	2 x 50 + E	4 x 4 + E
1 x 150	3 x 4*	2 x 70 + E	6EYCY/6EYCYS*
1 x 185	3 x 6*	2 x 95 + E	6 x 1.5
1 x 240	3 x 10*	2 x 120 + E	6 x 2.5*
1 x 300	3 x 16*	2 x 150 + E	6 x 4
DEYCY/DEYCYS*	3 x 25*	2 x 185 + E	10EYCY/10EYCYS*
2 x 1.5*	3 x 35*	FEYCY*/FEYCYS	10 x 1.5
2 x 2.5*	3 x 50*	4 x 1.5*	10 x 2.5*
2 x 4*	3 x 70*	4 x 2.5*	10 x 4
2 x 6*	3 x 95*	4 x 4*	

*) indicate applicable size.

Type Approval documentation

Tests carried out

Type test according to IEC 60092-350 & 360, IEC 60332-1, ASTM D470, CSA C22.2 No.0.3 & 38 (Cold bend/ impact -30°C), Crushing resistant test and paint resistant test

Marking of product

Rating-Type-Size-Standard-TMC-Year-Length

EX) 0.6/1KV TEYCY 50SQMMX3C IEC60092-350 TMC 2014 0001M

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:

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Certificate No: **TAE000032K**

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine tests (RT) and selected type tests (ref. to applicable class programs) checked (if not available these tests shall 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