



# Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate is issued to:

**APPLICANT** Prysmian Group Netherlands B.V.  
Abel Tasmanstraat 1  
7821 AN Emmen  
The Netherlands

**PLACES OF PRODUCTION** Prysmian Group Netherlands B.V.  
Abel Tasmanstraat 1  
7821 AN Emmen  
The Netherlands

**DESCRIPTION** Halogenfree, low smoke, flame retardant power and control cable.

**TYPE** HUSK TFXI power cable 0,6/1 kV, stranded circular conductors ( class 2 and class 5) plain or tinned, XLPE insulated, filler or polyester tape wrapping, SHF1 sheathed.  
HUSO TIOI power cable 0,6/1 kV, stranded circular conductors (class2 and class 5, plain or tinned, XLPE insulated, filler or polyester tape wrapping, SHF1 inner sheath, armour/screen braiding of plain or tinned copper wires, galvanized steel wires, phosphor bronze wires, SHF1 outer sheathed.

**SPECIFIED STANDARDS** Fixed wiring on ships and offshore installations  
IEC 60092-350 ed4.0/-351 ed3.0/-353 ed4.0/-359 ed1.2  
IEC 60332-1, ed1.1  
IEC 60332-3-22, Cat. A , ed2.0  
IEC 60754, ed3.0  
IEC 61034, ed3.1  
IEC 60228, ed3.0  
HD 308 (2001)

**Certificate No.** 18/30036

**Issue Date** 11 February 2019

**Expiry Date** 17 July 2023

**Sheet** 1 of 2



A.W. van der Velden  
Type Approval Department  
Lloyd's Register EMEA

Lloyd's Register EMEA, Rotterdam Technology Support Office, K.P.v.d.Mandelelaan 41a, 3062 MB Rotterdam, The Netherlands

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**RATINGS**

0,6/ 1 kV

**RANGE**Conductor cross sectionNumber of cores1,5 - 300 mm<sup>2</sup>

1

1,5 - 35 mm<sup>2</sup>

2

1,5 - 240 mm<sup>2</sup>

3

1,5 - 25 mm<sup>2</sup>

4

1,5 - 2,5 mm<sup>2</sup>

5, 7

1,5 mm<sup>2</sup>

6, 10, 12, 16, 19

Note: Class 5/2 conductor is a flexible conductor according to IEC 60228 class 5, but with a conductor resistance according to IEC 60228 class 2.

**OPERATIONAL LIMITATIONS**

Maximum conductor temperature: 90°C

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 1830036 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

*"When Rules and Standards mentioned in this certificate are changed within the validity of this certificate, than this certificate becomes no longer valid."*

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