



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

Flame retardant, halogen free, crosslinked polyethylene (XLPE) insulated, SFH1 over sheathed, braided, power cable (0.6/1 kV)

TYPE

TXOI 0.6/1 kV or TXOI-VFD 0.6/1kV (1,8/3kV)

SPECIFIED STANDARDS

Construction:	IEC 60092-353 ed4.0
Conductors:	Annealed stranded copper wire, or annealed sector shaped copper (3/4 core cable above 35mm ²)
Insulation:	XLPE to IEC 60092-351 ed3.0
Bedding:	No bedding
Sheath:	Halogen free thermoplastic compound to IEC 60092-359 SFH1 ed 1.2
Armour:	Tinned copper wire braid
Flame retardance:	IEC 60332-1 ed1.1 and IEC 60332-3-22 ed 2.0 Category A
Smoke emission:	IEC 60754-1 ed3.0 & 2 ed2.0 and IEC 61034-1 & 2 ed3.1

APPLICATION

Fixed wiring on ships offshore and industrial installations.

Certificate No.

18/30033

Issue Date

11 February 2019

Expiry Date

27 May 2023

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

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RATING

0.6/ 1 kV

RANGE

TXOI

Number of cores	Cross sectional area (mm ²)
1	16/2.5, 25/4, 35/4, 50/6, 70/6, 95/10, 120/10, 150/10, 185/10, 240/10 & 300/10
2	1.5/2.5, 2.5/2.5, 4/4, 6/6, 10/10, 16/16, 25/16 & 35/16
3G	1.5 & 2.5
3	1.5/2.5, 2.5/2.5, 4/4, 6/6, 10/10, 16/16, 25/16, 35/16, 50/25, 70/35 & 95/50
4G	1.5, 2.5, 4 & 6
4	1.5/2.5, 2.5/2.5, 4/6, 6/6, 10/10, 16/16, 25/16, 35/16, 50/25, 70/35 & 95/50
5G	1.5 & 2.5
5	1.5/2.5 & 2.5/4
7	1.5/4 & 2.5/6
10	1.5/6
12	1.5/6 & 2.5/6

TXOI-VFD

Number of cores	Cross sectional area (mm ²)
3	35/16, 70/35, 95+16/50, 95/50, 120/70, 150/70, 150+16/70

OPERATIONAL LIMITATIONS

Maximum conductor temperature: 90°C

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"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. 1830033 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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