



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

Fire resistant, flame retardant, halogen free, cross linked polyethylene (XLPE) insulated, SFH1 over sheathed, braided, instrumentation and communication cable.

TYPE

BXOI 250V & BXOI(i) 250V

APPLICATION

Fixed wiring on ships, offshore and industrial installations

SPECIFIED STANDARDS

Construction:	IEC 60092-376 ed3.0
Conductors:	Annealed stranded copper wire
Insulation:	Mica tape/ XLPE to IEC 60092-351 ed3.0
Sheath:	Halogen free thermoplastic com-pound to IEC 60092-359 SHF1 ed1.2
Fire resistance:	IEC 60331-21 ed1.0
Armour:	Tinned copper wire braid
Flame retardance:	IEC 60332-1 ed1.1 and IEC 60332-3-22 ed2.0 Category A
Smoke emission:	IEC 60754-1 ed3.0 & 2 ed2.0 and IEC 61034-1 ed3.1 & 2 ed3.1

Certificate No.

18/30040

Issue Date

11 February 2019

Expiry Date

17 July 2023

Sheet

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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**

250V

RANGE

BXOI

Number of pairs	Cross sectional area (mm ²)
1, 2, 4, 7, 10, 14, 19 or 24	0,75 & 1,5
1 quad	0,75 & 1,5

BXOI(i) with each pair wrapped in polyester tape to prevent electrical contact with adjacent pairs

Number of pairs	Cross sectional area (mm ²)
2, 4, 7, 10, 14, 19 or 24	0,75 & 1,5

**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. 1830040 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mentioned in this certificate are changed within the validity of this certificate, than this certificate becomes no longer valid."

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