



ABS

01-LD260517-PDA
CERTIFICATE NUMBER

14 November 2001
DATE

London ESD
ABS TECHNICAL OFFICE

CERTIFICATE OF Product Design Assessment

This is to Certify **Draka Norsk Kabel A.S.**
(COMPANY)

that a representative of this Bureau did, at the request of the above noted Company, assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate; and it will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Halogen Free Electric Cables

MODEL: TFXI 0.6/1 kV, TFOI 0.6/1 kV, IFOI 250V and IFOI 60V

ABS RULE: Section 4-8-3/9 of the Steel Vessel Rules, 2001

OTHER STANDARD: See attached listing

AMERICAN BUREAU OF SHIPPING


(ENGINEER)

A.Revenga

AB25803/00

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of American Bureau of Shipping or a statutory, industrial or manufacturer's standard and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without ABS approval will result in this certificate becoming null and void. This certificate is governed by the terms and conditions on the reverse side hereof.

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Draka Norsk Kabel A.S.

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Certificate No:

Product : Halogen Free Electric Cables**Model Name:** TFXI 0.6/1 kV, TFOI 0.6/1 kV, IFOI 250V and IFOI 60V**Intended Service:**

Shipboard Power, Control and Lighting Cables

Description:

TFOI 0.6/1 kV: Flame retardant armoured control, general power and lighting cables
TFXI 0.6/1 kV: Flame retardant unarmoured for power and control systems
IFOI 250V : Flame retardant armoured cables for instrumentation and communication
IFOI 60V : Flame retardant armoured cables for instrumentation and communication

Ratings:

TFOI: 0.6/1 kV 85 °C; TFXI: 0.6/1 kV 85 °C; IFOI: 250V 75 °C; IFOI: 60V 75 °C

Service Restrictions:

Unit Certification is not required for this product.

Comments:

Not Applicable

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 01-LD260517-PDA, dated 14/Nov/2001. This PDA Certificate expires November of 2006. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

STANDARDS**ABS Rules:**

Section 4-8-3/9 of Steel Vessel Rules, 2001

Government Authority:**International:**

IEC 60092-350, IEC 60092-351, IEC 60092-353, IEC 60092-359, IEC 60332-1, IEC 60332-3 Cat A, IEC 60754 1/2, IEC 61034 1/2

National:**Others:**