

Date Issued: 13/JUN/2001  
Certificate Number: 01-RO 71359-X4



## *Certificate of Type Approval (RQS)*

This is to certify that Draka Kabel B.V.  
has met the requirements of ABS Product Type Approval for  
Electric Cables for Ships and Offshore Installation  
Model Name(s): HXXMB-FREEP

**Presented to:**

Draka Kabel B.V.  
P. O. Box 1117  
Amsterdam  
1000 BC  
Netherlands

**Intended Service:**

Power and Control

**Description:**

Fire resistant, bronze wire braided armour, flame retardant, halogen free, low smoke, low toxicity cables

**Ratings:**

+ 85 degrees C; 0.6/1 kV

**Service Restrictions:**

Not Applicable

**Comments:**

Not Applicable

**ABS Rules:**

2001 Steel Vessel Rules 4-8-3/9

**National Standards:**

CAN/CSA C.22.2 No. 0.3 - Coldblend @ -40 °C & Coldimpact @ -35 °C, IEEE Std. 45 Performance Section 8

Tests (including oil test per 8.13.7), NES 711, 713, UL 1581 Section 1200

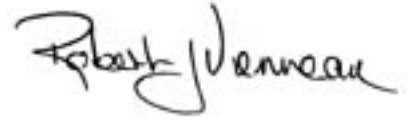
**International Standards:**

IEC 60092-3, 60092-353, 60331(1000 °C), 60332-3 Cat.A-B-C, 60754-1/2, 61034-1/2

**Government Authority:**

**Others:**

MIL C-24643A Paragraphs 4.7.25/26/27/29



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.

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