



Certificate of Type Approval (RQS)

This is to certify that Draka Kabel B.V.
has met the requirements of ABS Product Type Approval for
Cables, for Ships and Offshore Installations
Model Name(s): HUSO-TIOI Power Cable 0,6/1 kV ShipLine Plus Cable

Presented to:

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

Intended Service:

General fixed power, control and lighting wiring for marine and offshore electrical installations.

Description:

Model HUSO TIOI is an armoured halogen-free cable, with flame retardant and low smoke properties. Construction: Conductor: Stranded plain annealed copper to IEC 60228 C1.2. All conductors are circular and non-compacted; Insulation: XLPE, coloured; Assembly: 1,5 to 300 mm². Single or multi-core to 19 cores x 1,5 mm²; with filler or covered with polyester tape wrapping; Inner Sheath: SHF 1 Halogen Free; Armour/Screen: Tinned copper wire braiding; Outer sheath: SHF 1 Halogen Free.

Ratings:

0,6/1 kV, conductor temperature 85 degrees C

Service Restrictions:

Minimum installation temperature: -20 °C

Comments:

Approval documentation : Type test report order No.154545 dated 2 July 2003 and R &D report nr.:021/03-127, and Data sheet Report 021/03-112

Notes / Documentation:

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 03-LD401282-PDA, dated 13/Oct/2003. This PDA Certificate expires Oct of 2008. 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).

ABS Rules:

2003 Steel Vessel Rules, 4-8-3/9

National Standards:

International Standards:

IEC 60092-350 through 359, IEC 60332-1, 60332-3-22 (Cat. A), 60754-1&2, 61034-1&2

Government Authority:

EUMED:

Others:

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.