



CERTIFICATE NUMBER

DATE

02-HS303486-2-PDA

23 May 2012

ABS TECHNICAL OFFICE

Houston SED - Ship Systems

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
DRAKA ELEVATOR PRODUCTS, INC - Rocky Mount

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 unit 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.

PRODUCT: **Cable, Elevator Traveling**

MODEL: **Type ETT**

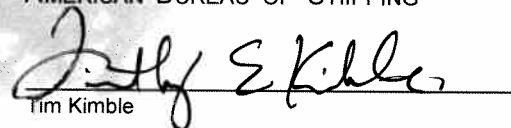
This Product Design Assessment (PDA) Certificate 02-HS303486-2-PDA, dated 23/May/2012 remains valid until 22/May/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING



Tim Kimble

Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

DRAKA ELEVATOR PRODUCTS, INC

2151 NORTH CHURCH STREET

Rocky Mount

NC 27802-0400

United States

Telephone: 252-972-6035

Fax: 252-446-6959

Email: bryan.long@draka.com

Web: draka.com

Product: Cable, Elevator Traveling

Model: Type ETT

Intended Service:

Marine & Offshore Application - Power, Signal and Control Cables for Elevators

Description:

Rope Lay Elevator, Traveling Cable, Type ETT Superflex, 6 to 100 Conductors.

Ratings:

Conductors: Stranded Bare Soft Drawn Copper.

Insulation: 60°C PVC, 300 Volt rated.

Shielded Pair: Two twisted 20 Gauge Conductors, Copper Braided Shield , PVC Jacket.

Steel Support: Preformed, Flexible, Zinc Coated, Steel, Wire Rope, PVC Insulated, Rayon Braid.

Braid: Rayon, 90% coverage of the Core.

Jacket: The Outer Jacket is compounded of Tough, Abrasion Resistant, Flame Retardant Polyurethane.

See attached "pdf" Cross Sectional Diagram. Also see Data Sheet 11/30/01 RMI 1574.

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes / Drawings / Documentation:

Supporting Data:

Draka P/N : 18-146-98 dated 05/15/06 -8-14+30-18+4x20 Shielded RL (CWS46-PUR);

CSA Certificate 1336627 (LL 30361-9) dated 24 July 2002

Term of Validity:

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STANDARDS

ABS Rules:

2012 Steel Vessels Rules: 1-1-4/7.7,1-1-A3; 4-8-3/9.1, 4-8-3/9.5 & 4-8-3/9.17

2012 MODU Rules: 4-3-4/7.1.1, 4-3-4/7.1.2

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Email: bryan.long@draka.com

Web: draka.com

National:

UL 62 Certificate 22-05-02-2 (Based on UL report E36686- 3-25-1994).

International:

CSA Certificate No: 1336627 (LL 30361-9) dt 24 July 2002; CSA Std. C22.2 No.49-98, File No: 030361 0 000, Issued May 17, 2002.

Government Authority:

NA

EUMED:

NA

Others:

NA