



CERTIFICATE NUMBER
17-HS1620676-PDA

DATE
24 Apr 2017

ABS TECHNICAL OFFICE
Houston ESD - Electrical

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of

DRAKA ELEVATOR PRODUCTS, INC

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 Superflex**

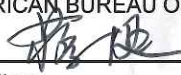
This Product Design Assessment (PDA) Certificate 17-HS1620676-PDA, dated 24/Apr/2017 remains valid until 23/Apr/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

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



Ting Jiang
Engineer/Consultant

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-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

DRAKA ELEVATOR PRODUCTS

2151 NORTH CHURCH STREET

Rocky Mount NC

United States 27804

Telephone: 252-972-6035

Fax: 252-446-6959

Email: bryan.long@draka.com

Web: draka.com

Tier: 2 - PDA Issued

Product: Cable, Elevator Traveling**Model:** Type ETT Superflex**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.

Rating:

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 Restriction:

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/Drawing/Documentation:

Draka PN: 18-146-98 dated 05/27/2015

Supporting Data (Task-236695):

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

UL Certificate 22-05-0202 (Based on UL report E36686 dated 3-25-1994)

Terms of Validity:

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STANDARDS**ABS Rules:**

2017 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

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2017 Mobile Offshore Drilling Unit Rules 1-1-4/9.7, 1-1-A2 and A3, 4-3-4/7.1.1, 4-3-4/7.1.2

National:

UL Std. 62, Edition 18 Issued Oct. 20, 2010

International:

CSA Std. C22.2 No.49-98, Issued 01/01/1998

Government:

NA

EUMED:

NA

OTHERS:

NA