



CERTIFICATE NUMBER
17-HS1683276-PDA

DATE
10 Nov 2017

ABS TECHNICAL OFFICE
Singapore Engineering Services

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
QUALITY PERFORATING, 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, Trays & Ladders**

Model: **CBLTR**

This Product Design Assessment (PDA) Certificate 17-HS1683276-PDA, dated 10/Nov/2017 remains valid until 09/Nov/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

Tim Kimble

Engineer/Consultant

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QUALITY PERFORATING

166 DUNDAFF STREET

CARBONDALE PA

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Email: rodb@qualityperf.com

Web: www.qualityperf.com

Tier: 2 - PDA Issued

Product: Cable, Trays & Ladders

Model: CBLTR

Intended Service:

Marine & Offshore Application- Cable Support System

Description:

Cable trays are manufactured in straight and 90 degree configurations with widths ranging from 4 inches to 36 inches. Cables are "zip" tied to the perforated "Z" bar cross members.

Rating:

Material: 316 stainless steel or hot dip galvanized.
Model: CBLTR.L128W4 (NEMA Load Class:10C)
Model: CBLTR.L128W6 (NEMA Load Class:10C)
Model: CBLTR.L128W8 (NEMA Load Class:10C)
Model: CBLTR.L128W12 (NEMA Load Class:10C)
Model: CBLTR.L128W16 (NEMA Load Class:10B)
Model: CBLTR.L128W18 (NEMA Load Class: 10B)
Model: CBLTR.L128W20 (NEMA Load Class:10B)
Model: CBLTR.L128W24 (NEMA Load Class: 10B)
Model: CBLTR.L128W30 (NEMA Load Class:10B)
Model: CBLTR.L128W36 (NEMA Load Class: 10B)

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:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. Product was tested to section 5.2 (Load testing) of NEMA Standards VE1-2009.

Notes/Drawing/Documentation:

1. Drawing No. 5637-XX, Cable trays (Straight), Revision: 0, Pages: 10
2. Drawing No. 5638-XX, Cable trays (90 degree), Revision: 0, Pages: 10
3. Drawing No. Brochure, Metal Cable Trays, Revision: 0, Pages: 02
4. Drawing No. ISO 9001 Certificate, Revision: 0, Pages: 01
5. Drawing No. New Ladder connector, New Ladder connector, Revision: 0, Pages: 02
6. Quality Perforating Inc., Report No. QPI 12X128SS316 CABLETRAY, NEMA Load to Destruction In-house Test, dated: 18 September 2017, Revision: 0, Page 03
7. Quality Perforating Inc., Report No. QPI 24X128SS316 CABLETRAY, NEMA Load to Destruction In-house Test, dated: 18 September 2017, Revision: 0, Page 03
8. Quality Perforating Inc., Report No. QPI 36X128SS316 CABLETRAY, NEMA Load to Destruction In-house Test, dated: 18 September 2017, Revision: 0, Page 03

Terms of Validity:

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STANDARDS

ABS Rules:

ABS Rules for Conditions of Classification (2017) 1-1-4/7.7, 1-1-A3 and A4, which covers the following:

2017 Rules for Building and Classing Steel Vessels 4-8-4/21.9.1;

2017 Rules for Building and Classing Offshore Support Vessels 4-8-4/21.9.1;

2017 Rules for Building and Classing Steel Vessels Under 90 Meters in Length 4-6-3/5.9.1(c);

2017 Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways 4-5-3/5.9.1(c);

ABS Rules for Conditions of Classification – Offshore Units and Structures (2017) 1-1-4/9.7, 1-1-A2 and A3, which covers the following:

2017 Rules for Building and Classing Mobile Offshore Drilling Units 7-1-5/5.9.1(b);

ABS Rules for Conditions of Classification – High Speed Craft (2017) 1-1-4/11.9, 1-1-A2 and A3, 4-6-3/5.9.1(c);

National:

NEMA VE1-2009 (published on 24-Sep-2009)

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA

OTHERS:

NA