



CERTIFICATE NUMBER
19-HS1852053-PDA

DATE
13 May 2019

ABS TECHNICAL OFFICE
Houston ESD - Offshore
Equipment

CERTIFICATE OF Design Assessment

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

PANDUIT CORP.-ORLAND PARK

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: **Communication Cable**

Model: **PSMDA7004**

This Product Design Assessment (PDA) Certificate 19-HS1852053-PDA, dated 13/May/2019 remains valid until 12/May/2024 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

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).

PANDUIT CORP.-ORLAND PARK

10500 WEST 167TH STREET

ORLAND PARK IL

United States 60467

Telephone: 708-460-1800

Fax: 708-460-9211

Email:

Web: panduit.com

Tier: 3 - Type Approved, unit certification not required

Product: Communication Cable

Model: PSMDA7004

Intended Service:

Marine & Offshore Application - Data Communication Cables for use on ships and offshore units.

Description:

Model PSMDA7004 is designated to shielded MUD-Resistant Armoured Marine Copper Cables - S/FTP. It meets IEC 61156-5 Cat. 7 component standard and is designed for High Speed Data Transmission up to 1000 MHz. The cables are constructed with Four Cores, 22 AWG, Polyethylene (PE) Insulation, Mud Resistant Outer Sheath, Steel Wire Braided Screen, Halogen Free, Fire retardant LSZH (SHF2) jacket.

Rating:

Installation & Operating Temperature: -40°F to 176°F (-40°C to 80°C);

See attached document for additional details.

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:

Panduit Declaration of Conformity, Date January 17, 2019

MPA Dresden Test Report No. 2012-B-3477/02 - IEC 60332-3-22

MPA Dresden Test Report No. 2012-B-3477/03 - IEC 60332-3-22

MPA Dresden Test Report No. 2012-B-5325/01 - 2005 IEC 61034-1/2

MPA Dresden Test Report No. 2012-B-5325/02 - 2011 IEC 60754-2

MPA Dresden Test Report No. 2012-B-5325/03 - 2011 IEC 60754-2

MPA Dresden Test Report No. 2021-B-5326/01 - IEC 61034-1/2

MPA Dresden Test Report No. 2012-B-5326/02 - IEC 60754-2

MPA Dresden Test Report No. 2012-B-5326/03 - IEC 60754-2

MPA Dresden Test Report No. 2012-B-5326/04 - IEC 60754-2

MPA Dresden Test Report No. 2012-B-5326/05 - IEC 60754-1

MPA Dresden Test Report No. 2012-B-5326/06 - IEC 60754-1

MPA Dresden Test Report No. 2012-B-5326/07 - IEC 60754-1

MPA Dresden Test Report No. 2013-B-1698 - IEC 61034-2

Doc 250313-25032013.pdf;

L45467-J417-C196-EN, Technical Data Sheet , Cable Type 02YS CH 4X2X0.76/1.8-100 LI PIMF Cat 7 Mud- Res, dated 27 March 2013, 2 Shts;

L45467-J417-C216-EN, Technical Data Sheet , Cable Type 02YS CH (Z)H 4X2X0.76/1.8-100 LI PIMF Cat 7 Mud- Res, dated 27 March 2013, 2 Shts;

L45498-A3042-A4, Leoni Type Test 02YSCH 0.6/2.4-75 LI, 3 Shts;

Terms of Validity:

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STANDARDS

ABS Rules:

2019 Rules for Conditions of Classification, Part 1: 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2019 Marine Vessels Rules: 4-8-3/9.5 & 9.13

2019 Steel Vessels Rules: 4-8-3/9.5 & 9.13

2019 High Speed Crafts Rules: 4-6-4/13

2019 Rules for Conditions of Classification, Part 1 - Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2019 MODU Rules: 4-3-4/7

2019 MOU Rules: 4-3-4/7

2019 Facilities Rules: 3-6/13

National:

NA

International:

IEC 60092-359/SHF1, -360 (2014)

IEC 60754-1/2, (2011)

IEC 61034-2 (2005)

Government:

NA

EUMED:

NA

OTHERS:

NA