



CERTIFICATE NUMBER	24-2520631-PDA
EFFECTIVE DATE	25-Mar-2024
EXPIRY DATE	24-Mar-2029
ABS TECHNICAL OFFICE	Houston ESD - Electrical

## CERTIFICATE OF Product Design Assessment

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

### **PANDUIT CORP.-ORLAND PARK**

located at

**10500 WEST 167TH STREET, , ORLAND PARK, IL, United States,  
60467**

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:** PSMD7004  
**Endorsements:**  
**Tier:** 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 24/Mar/2029 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

*Soheni Haque*

Soheni Haque, Sr. Managing Principal 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 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: [skb@panduit.com](mailto:skb@panduit.com)

Web: [panduit.com](http://panduit.com)

**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Communication Cable

**Model:** PSMD7004

**Endorsements:**

**Intended Service:**

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

**Description:**

Model PSMD7004 is designated to shielded S/FTP armored copper cables meeting 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, Foamed Polyethylene (PE) Insulation, MUD RES Outer Sheath, Tinned Copper Braided Screen, Low Smoke and Zero Halogen (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:**

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

2024 Rules for Conditions of Classification, Part 1A: 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:

2024 Marine Vessels Rules: 4-8-3/9.1 & 9.5

2024 High Speed Crafts Rules: 4-6-4/13.1 & 13.1.2

2024 Rules for Conditions of Classification, Part 1 - Offshore Units and Structures: 1B-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2024 MOU Rules: 4-3-4/7.1.1 & 7.1.2

2024 Facilities Rules: 3-6/13.1 & 13.7

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**National:**

NA

**International:**

IEC 60092-359, Ed. 1.2, 1999

IEC 60092-360, Ed. 2.0, 2021

IEC 60754-1, Ed. 3, 2019

IEC 60754-2, Ed. 2, 2019

IEC 61034-1, Ed. 3, 2013

IEC 61034-2, Ed. 3, 2013

IEC 60332-3 22, 2019

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA