



CERTIFICATE NUMBER
16-HS1533676-PDA

DATE
01 Jul 2016

ABS TECHNICAL OFFICE
Houston OED - Systems

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
COMMSCOPE, 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, Instrumentation and Communication**

Model: **65NS4ZH-i (CAT 6) Twisted Pair**

This Product Design Assessment (PDA) Certificate 16-HS1533676-PDA, dated 01/Jul/2016 remains valid until 30/Jun/2021 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 in 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 (2013).

COMMSCOPE
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United States 28610
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Web: www.commscope.com

Tier: 2 - PDA Issued

Product: Cable, Instrumentation and Communication
Model: 65NS4ZH-i (CAT 6) Twisted Pair
Intended Service:
Marine and Offshore Applications- Instrumentation, Communication and Control Cable

Description:
65NS4ZH-i Category 6 F/UTP Cable, Low Smoke Zero Halogen (LSZH) ,Gray Jacket, 4 pair count

Rating:
Cable Type: F/UTP (Shielded);
Conductor Gauge: 23 AWG;
Conductor Type, Single : Solid;
No. of Conductors: 8
Operating Temperature: -20°C to +60°C (-4°F to +140°F)
See attached "pdf" for Electrical, Environmental, Mechanical Specification 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:
Referenced supporting documents in ABS Task 734119

Product Specification dated 3/8/2011;
BreGlobalTest Report No. 260666, dtd 26 March 2010;
Intertek Test Report: 3158145SAT-001, dtd 29 July 2008;
Intertek Test Report: 3158145SAT-002, dtd 30 July 2008;
Intertek Test Reports: 3158145SAT-002A & -002B, dtd 31 July 2008

Terms of Validity:
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STANDARDS

ABS Rules:
2016 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/9.1, 4-8-3/9.5, 4-8-3/9.7, 4-8-3/9.9 & 4-8-3/9.17

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2016 MODU Rules 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-3-4/7.1.1, 4-3-4/7.1.2 & 4-3-4/7.1.4

National:
ANSI/TIA-568

International:
IEC 60754-2 : 2011, IEC 60332-3-22 : 2009, IEC 61034-2 : 2005, RoHS 2002/95/EC

Government:
NA

EUMED:
NA

OTHERS:
NA