



Confirmation of Type Approval

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), on 18/JAN/2007 the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) and a valid Product Design Assessment (PDA) for the below listed product, entitling the product to type approval. The validity of the Manufacturing Assessment is dependent on satisfactory audits as required by the Rules. The Product Design Assessment is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

For Date of ABS Rules used for evaluation; Please refer to the ABS Rules below.

This Confirmation of Product Type Approval is valid as of the date shown above for the below listed product.

ABS makes no representations regarding type approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that the Client has full responsibility for continued compliance with the evaluation standard, whether the standard is an ABS Rule or a non-ABS Rule. As specified in the ABS Rules, Unit Certification may be required in addition to Product Type Approval. Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

DRAKA CABLETEQ BRASIL SA Model Name(s): Cat 5e

Presented to:

DRAKA CABLETEQ BRASIL SA
RUA CHICRI MALUF 121
BAIRRO IPORANGA - SOROCABA
SOROCABA
SAO PAULO
Brazil

Intended Service:

Data communications for marine shipboard and offshore use.

Description:

LSZH CAT 5E UTP DATA CABLE 4 pair 24 AWG Bare Copper conductors, individually insulated by High density Polyethylene and Low Smoke and Zero Halogen Free Grey Outer jackets.

Ratings:

Voltage:300V Max, Temperature: -20 deg C to +60 deg C.

Service Restrictions:

Unit Certification is not required for this product.

Comments:

Installation to be carried out in compliance with 4-8-4/21 of 2006 Steel Vessels Rules or 4-3-3/5 of 2006 MODU Rules, as applicable.

Notes / Documentation:

Term of Validity:

This Design Assessment Certificate number 06-RJ186738A-PDA, dated 17/Nov/2006 will expire on 16/Nov/2011 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2007, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

ABS Rules:

2006 Steel Vessel Rules 1-1-4/7.7, 4-8-3/9.1 & 9.5; 2006 Modu Rules 4-3-4/13.1

National Standards:

TIA-568-B.2

International Standards: IEC 60332-3 CatC, IEC 61034-1&2, IEC 60754-1&2.

Government Authority:

EUMED:

Others:



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.