



Confirmation of Product Type Approval

Company Name: JIANGSU YUANYANG CABLE CO., LTD

Address: NO. 2 BAOSHI ROAD GUAZHOU TOWN 225128 China

Product: Cable, Power

Model(s): CJPF/SC/NC Series, CJ85/SC/NC Series, CJPJ85/SC (1.8/3kV) Series, CJPF86/SC (1.8/3kV) Series

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	17-DL1575921-PDA	24-OCT-2017	23-OCT-2022
Manufacturing Assessment (MA)	18-NJ3513794	19-JUN-2018	07-AUG-2023
Product Quality Assurance (PQA)	NA	NA	NA

Tier
3

Intended Service

Power, lighting and control system for shipboard and off-shore building Not intended for use as propulsion cable

Description

Rated 0.6/1kV:

CJPF /SC/NC--Cross-linked polyethylene insulated thermoplastic polyolefin sheathed shipboard power cable

CJPF80/SC/NC--Cross-linked polyethylene insulated thermoplastic polyolefin sheathed copper wire braided shipboard power cable

CJPF90/SC/NC--Cross-linked polyethylene insulated thermoplastic polyolefin sheathed steel wire braided shipboard power cable

CJPF86/SC/NC--Cross-linked polyethylene insulated thermoplastic polyolefin inner sheathed copper wire braided thermoplastic polyolefin outer sheathed shipboard power cable

CJPF96/SC/NC--Cross-linked polyethylene insulated thermoplastic polyolefin inner sheathed steel wire braided thermoplastic polyolefin outer sheathed shipboard power cable

CJ85/SC/NC--Cross-linked polyethylene insulated copper wire braided cross-linked polyethylene outer sheathed shipboard power cable

CJ86/SC/NC--Cross-linked polyethylene insulated copper wire braided thermoplastic polyolefin outer sheathed shipboard power cable

No.of Cores: Nominal Cross Section mm²:

1 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185,240,300
 2 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185,240
 2+E 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185
 3 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185,240
 3+E 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185
 4 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185,240
 4+E 1.0,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185
 5,7,10,12,14, 1.0,1.5,2.5
 16,19,24,27,
 30,33,37

Rated 1.8/3kV:

CJPJ85/SC--Cross-linked polyethylene insulated cross-linked polyolefin inner sheathed tinned copper wire braided cross-linked polyolefin outer sheathed shipboard power cable

CJPJ95/SC--Cross-linked polyethylene insulated cross-linked polyolefin inner sheathed galvanized steel wire braided cross-linked polyolefin outer sheathed shipboard power cable

CJPF86/SC--Cross-linked polyethylene insulated thermoplastic polyolefin inner sheathed tinned copper wire braided thermoplastic polyolefin outer sheathed shipboard power cable

CJPF96/SC--Cross-linked polyethylene insulated thermoplastic polyolefin inner sheathed galvanized steel wire braided thermoplastic polyolefin outer sheathed shipboard power cable

No. of Cores: Nominal Cross Section mm²:

1 (CJPJ85/SC & CJPF86/SC only) 10,16,25,35,50,70,95,120,150,185,240,300

3 10,16,25,35,50,70,95,120,150,185

Type /SC--Halogen-free Low-smoke Low-toxicity flame-retardant cable, comply with IEC60332-3-22 Category A, IEC60754-1, IEC60754-2, IEC61034-1, IEC61034-2

Type /NC--Halogen-free Low-smoke Low-toxicity fire-resistant cable, comply with IEC60332-3-22 Category A, IEC60331-1, IEC60331-2, IEC60754-1, IEC60754-2, IEC61034-1, IEC61034-2

Ratings

Maximum Conductor Temperature: 90 deg. C;

Rated Voltage:0.6/1kV,1.8/3kV

Service Restrictions

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.The following cable markings are to be provided in accordance with IEC 60092-353: Indication of origin (manufacturer s name or trade mark) and rated voltage (Uo/ U) and construction (number of cores pairs triples or quads and cross sectional area of the conductor).

Notes, Drawings and Documentation

Drawing No. NA, TECHNICAL DOCUMENT,

Document No. NA Document Title: Declaration of Conformity

Testing Laboratory: China National Center for Quality Supervision Test of Electric Wire and Cable
Report Nos. and Date: CT07-0700-1 CJ86/NC 2007-05-22, CT07-0700-2 CJPF86/SC 2007-05-22

Term of Validity

This Product Design Assessment (PDA) Certificate 17-DL1575921-PDA, dated 24/Oct/2017 remains valid until 23/Oct/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.

ABS Rules

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9, 4-8-3/9.17 and 4-1-1/Table 3 item 20 of Steel Vessel Rules (2017)

1-1-4/9.7, 1-1-Appendix 2, 1-1-Appendix 3, 4-3-4/7.1 of Mobile Offshore Drilling Units Rules (2017)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-6-4/13 of Steel Vessels Under 90 Meters (295 Feet) in Length (2017)

1-1-4/9.7, 1-1-Appendix 2 and 3, 3-6/13 of Facilities on Offshore Installations (2017)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9 of Offshore Support Vessels (2017)

1-1-4/11.9, 1-1-Appendix 2 and 3, 4-6-4/13 of High-Speed Craft (2017)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-1-3/9 of Steel Barge Rules (2017)

International Standards

IEC 60092-350(2014), IEC 60092-353(2011), IEC 60092-360(2014), IEC60228(2004), IEC 60332-1(2004), IEC 60332-3-22 Category A(2009), IEC 60754-1/2(2011), IEC 61034-1/2(2013), IEC 60331 (2009)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "Joseph W. Hill".

Corporate ABS Programs
American Bureau of Shipping
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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 is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. 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 this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

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.



Confirmation of Product Type Approval

Company Name: JIANGSU YUANYANG CABLE CO., LTD

Address: NO. 2 BAOSHI ROAD GUAZHOU TOWN 225128 China

Product: Communication Cable

Model(s): CHJ Series, CHJP Series, CHJPF Series, CHJFPF Series

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	16-SQ1547805-PDA	10-OCT-2016	09-OCT-2021
Manufacturing Assessment (MA)	18-NJ3513794	19-JUN-2018	07-AUG-2023
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

Communication and Instrument Circuits for Shipboard and Offshore Building

Description

Model Description

CHJ85/SC/NC Cross-linked polyethylene XLPE insulated copper wire braided armored SHF2 outer sheathed shipboard symmetrical communication cable

CHJ86/SC/NC Cross-linked polyethylene XLPE insulated copper wire braided armored SHF1 outer sheathed shipboard symmetrical communication cable

CHJP85/SC/NC Cross-linked polyethylene XLPE insulated pair screen copper wire braided armored SHF2 outer sheathed shipboard symmetrical communication cable

CHJP86/SC/NC Cross-linked polyethylene XLPE insulated pair screen copper wire braided armored SHF1 outer sheathed shipboard symmetrical communication cable

CHJPF86/SC/NC Cross-linked polyethylene XLPE insulated SHF1 inner sheathed copper wire braided armored SHF1 outer sheathed shipboard symmetrical communication cable

CHJPF96/SC/NC Cross-linked polyethylene XLPE insulated SHF1 inner sheathed steel wire braided armored SHF1 outer sheathed shipboard symmetrical communication cable

CHJFPF86/SC/NC Cross-linked polyethylene XLPE insulated pair screen SHF1 inner sheathed copper wire braided armored SHF1 outer sheathed shipboard symmetrical communication cable

CHJFPF96/SC/NC Cross-linked polyethylene XLPE insulated pair screen SHF1 inner sheathed steel wire braided armored SHF1 outer sheathed shipboard symmetrical communication cable

Type /SC Halogen-free Low-smoke Low-toxicity flame-retardant cable, comply with IEC60754,

IEC61034, IEC60332-3 Cat.A

Type /NC Halogen-free Low-smoke Low-toxicity fire-resistant cable, comply with IEC60754, IEC61034, IEC60332-3 Cat.A, IEC60331.

No. of Pairs: Nominal Cross Section mm²:

1x2, 2x2, 3x2, 4x2, 5x2, 7x2, 10x2, 0.5, 0.75, 1.0, 1.5, 2.5

12x2, 14x2, 16x2, 19x2, 24x2, 27x2,

30x2, 33x2, 37x2, 48x2

1x3, 2x3, 3x3, 4x3, 5x3, 7x3, 10x3, 0.75, 1.0, 1.5

12x3, 14x3, 16x3, 19x3, 24x3, 27x3,

30x3, 33x3, 37x3, 48x3

1x4 0.5, 0.75, 1.0, 1.5, 2.5

Ratings

150/250V, Maximum Conductor Temperature:90DEG.C

Service Restrictions

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.The following cable markings are to be provided in accordance with IEC 60092-376: Indication of origin (manufacturer s name or trade mark) and rated voltage (U_o/ U) and construction (number of cores pairs triples or quads and cross sectional area of the conductor).

3.Electrical cables are to be tested by the manufacturers in accordance with the standards of compliance. Records of test are to be maintained and are to be submitted upon request by ABS.

Notes, Drawings and Documentation

Drawing No. Correspondence, Fee confirmation, Revision: 0, Pages: 1

Drawing No. Correspondence, PDA Request form 07-SQ289119-1-PDA, Revision: 0, Pages: 1

Drawing No. Declaration, Declaration, Revision: 0, Pages: 1

Drawing No. TypeApproval 07-SQ289119-1-PDA, TypeApproval 07-SQ289119-1-PDA, Revision: 0, Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate 16-SQ1547805-PDA, dated 10/Oct/2016 remains valid until 09/Oct/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.

ABS Rules

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9, 4-8-3/9.17 and 4-1-1/Table 3 item 20 of Steel Vessel Rules (2016)

1-1-4/9.7, 1-1-Appendix 2, 1-1-Appendix 3, 4-3-4/7.1 of Mobile Offshore Drilling Units Rules (2016)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-6-4/13 of Steel Vessels Under 90 Meters (295 Feet) in Length (2016)

1-1-4/9.7, 1-1-Appendix 2 and 3, 3-6/13 of Facilities on Offshore Installations (2016)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9 of Offshore Support Vessels (2016)

1-1-4/11.9, 1-1-Appendix 2 and 3, 4-6-4/13 of High-Speed Craft (2016)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-1-3/9 of Steel Barge Rules (2016)

International Standards

IEC60092-376(2003), IEC60332-3-22 Category A(2009), IEC60332-1-2(2004), IEC60331(2009), IEC61034(2013), IEC60754(2011), IEC60092-350(2014), IEC60092-360(2014)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read 'Joseph W. ...'.

Corporate ABS Programs
American Bureau of Shipping
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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 is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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

prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. 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 this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

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.



Confirmation of Product Type Approval

Company Name: JIANGSU YUANYANG CABLE CO., LTD

Address: NO. 2 BAOSHI ROAD GUAZHOU TOWN 225128 China

Product: Cable, Power

Model(s): CEF/DA/SA/NA Series, CEV/DA/SA/NA Series

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	16-SQ1547804-PDA	10-OCT-2016	09-OCT-2021
Manufacturing Assessment (MA)	18-NJ3513794	19-JUN-2018	07-AUG-2023
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

Power System for Shipboard and Offshore Building. Not intended for use as propulsion cable.

Description

Model Description

CEF/DA/SA/NA EPR insulated SE sheathed shipboard power cable

CEF80/DA/SA/NA EPR insulated SE sheathed copper wire braided shipboard power cable

CEF90/DA/SA/NA EPR insulated SE sheathed steel wire braided shipboard power cable

CEF82/DA/SA/NA EPR insulated SE sheathed copper wire braided PVC ST2 over sheathed shipboard power cable

CEF92/DA/SA/NA EPR insulated SE sheathed steel wire braided PVC ST2 over sheathed shipboard power cable

CEFR/DA/SA/NA EPR insulated SE sheathed flexible power cable

CEV/DA/SA/NA EPR insulated PVC ST2 sheathed shipboard power cable

CEV80/DA/SA/NA EPR insulated PVC ST2 sheathed copper wire braided shipboard power cable

CEV90/DA/SA/NA EPR insulated PVC ST2 sheathed steel wire braided shipboard power cable

CEV82/DA/SA/NA EPR insulated PVC ST2 sheathed copper wire braided PVC ST2 over sheathed shipboard power cable

CEV92/DA/SA/NA EPR insulated PVC ST2 sheathed steel wire braided PVC ST2 over sheathed Shipboard power cable

CEVR/DA/SA/NA EPR insulated PVC ST2 sheathed flexible power cable

Type /DA Single flame retardant cables, comply with IEC60332-1

Type /SA Bunched flame retardant cables, comply with IEC60332-3, Cat.A

Type /NA Comply with the requirement of flame retardant test on bunched cables and fire resistant test, comply with IEC60332-3, Cat. A, IEC60331.

No. of Cores: Nominal Cross Section mm²:

1 1,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185,240,300

2 1,1.5,2.5,4,6,10,16,25,35,50,70,95,120

3 1,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185

4 1,1.5,2.5,4,6,10,16,25,35,50,70,95,120,150,185

5,7,10,12,14,16,19,24,27,30,33,37 1,1.5,2.5

Ratings

Rating: 0.6/1 KV

Maximum Conductor Temperature: 90 Deg.C

Service Restrictions

Unit Certification is not required for this product. However, unit certification is required for electric propulsion cables. 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.

For propulsion cables, see 4-8-5/5.17.11 of Steel Vessel Rules.

Comments

1.The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

2.The following cable markings are to be provided in accordance with IEC 60092-354: Indication of origin (manufacturer s name or trade mark) and rated voltage (U_o/ U) and construction (number of cores pairs triples or quads and cross sectional area of the conductor).

3.Where type DA cable is used, the installation is to be provided with approved fire stop arrangements in accordance with 4-8-3/9.5 of the Steel Vessel Rules.

4.Electrical cables are to be tested by the manufacturers in accordance with the standards of compliance. Records of test are to be maintained and are to be submitted upon request by ABS.

5.All propulsion cables, other than internal wiring in control gears and switchboards, are to be subjected to dielectric and insulation tests in the presence of the Surveyor.

Notes, Drawings and Documentation

Drawing No. Correspondence, PDA Request form 08-SQ342257-1-PDA, Revision: 0, Pages: 1

Drawing No. Correspondence, Fee confirmation, Revision: 0, Pages: 1

Drawing No. Declaration, Declaration, Revision: 0, Pages: 1

Drawing No. TypeApproval 08-SQ342257-1-PDA, TypeApproval 08-SQ342257-1-PDA, Revision: 0,
Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate 16-SQ1547804-PDA, dated 10/Oct/2016 remains valid until 09/Oct/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.

ABS Rules

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9, 4-8-3/9.17 and 4-1-1/Table 3 item 20 of Steel Vessel Rules (2016)

1-1-4/9.7, 1-1-Appendix 2, 1-1-Appendix 3, 4-3-4/7.1 of Mobile Offshore Drilling Units Rules (2016)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-6-4/13 of Steel Vessels Under 90 Meters (295 Feet) in Length (2016)

1-1-4/9.7, 1-1-Appendix 2 and 3, 3-6/13 of Facilities on Offshore Installations (2016)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9 of Offshore Support Vessels (2016)

1-1-4/11.9, 1-1-Appendix 2 and 3, 4-6-4/13 of High-Speed Craft (2016)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-1-3/9 of Steel Barge Rules (2016)

International Standards

IEC 60092-350(2014), IEC 60092-353(2011), IEC 60092-360(2014), IEC60228(2004), IEC 60332-1(2004), IEC 60332-3-22 Category A(2009), IEC 60754-1/2(2011), IEC 61034-1/2(2005)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA





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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 is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. 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 this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

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.



Confirmation of Product Type Approval

Company Name: JIANGSU YUANYANG CABLE CO., LTD

Address: NO. 2 BAOSHI ROAD GUAZHOU TOWN 225128 China

Product: Cable, Power

Model(s): CJ/SC-VFD Series,CJPF/SC-VFD Series, CJPJ/SC-VFD Series

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	17-DL1613953-PDA	20-MAR-2017	19-MAR-2022
Manufacturing Assessment (MA)	18-NJ3513794	19-JUN-2018	07-AUG-2023
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

Power, Lighting and Control System for Shipboard and Offshore Building. Not intended for use as propulsion cable.

Description

CJPF86/SC-VFD Cross-linked polyethylene insulated thermoplastic polyolefin inner sheathed copper wire braided thermoplastic polyolefin outer sheathed halogen-free low-smoke low-toxicity flame-retardant shipboard cables

CJPJ85/SC-VFD Cross-linked polyethylene insulated cross-linked polyolefin inner sheathed copper wire braided cross-linked polyolefin outer sheathed halogen-free low-smoke low-toxicity flame-retardant shipboard cables

CJ86/SC-VFD Cross-linked polyethylene insulated copper wire braided thermoplastic polyolefin outer sheathed halogen-free low-smoke low-toxicity flame-retardant shipboard cables

CJ85/SC-VFD Cross-linked polyethylene insulated copper wire braided cross-linked polyolefin outer sheathed halogen-free low-smoke low-toxicity flame-retardant shipboard cables

Ratings

3-core: 3*25 mm², 3*35 mm², 3*50 mm², 3*70 mm², 3*95 mm², 3*120 mm², 3*150 mm²,3*185 mm², 3*240 mm²;

3+e:3*25 mm²+1*16mm², 3*35 mm²+1*25mm², 3*50 mm²+1*25mm², 3*70 mm²+1*35mm², 3*95 mm²+1*50mm², 3*120 mm²+1*70mm², 3*150 mm²+1*95mm², 3*185 mm²+1*95mm², 3*240 mm²+1*120mm²;

3+3e:3*25 mm²+3*6mm², 3*35 mm²+3*6mm², 3*50 mm²+3*10mm², 3*70 mm²+3*16mm², 3*95 mm²+3*16mm², 3*120 mm²+3*25mm², 3*150 mm²+3*25mm², 3*185 mm²+3*35mm², 3*240 mm²+3*50mm²;

Rating: 0.6/1 KV, 1.8/3 KV;

Maximum Conductor Temperature: 90 deg/c

Service Restrictions

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. The following cable markings are to be provided in accordance with IEC 60092-353: Indication of origin (manufacturer s name or trade mark) and rated voltage (Uo/ U) and construction (number of cores and cross sectional area of the conductor).

Notes, Drawings and Documentation

Document No.: YYMC/ABS/1201, Shipboard & Offshore Cable Specification

Testing Laboratory: National Center for Quality Supervision Test of Electric Wire and Cable

Report Nos and Date: CJ85/SC-VFD CT12-1022-1(2012-05-11), CJPF86/SC-VFD CT-1022-2(2012-05-11)

Term of Validity

This Product Design Assessment (PDA) Certificate 17-DL1613953-PDA, dated 20/Mar/2017 remains valid until 19/Mar/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.

ABS Rules

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9, 4-8-3/9.17 and 4-1-1/Table 3 item 20 of Steel Vessel Rules (2017)

1-1-4/9.7, 1-1-Appendix 2, 1-1-Appendix 3, 4-3-4/7.1 of Mobile Offshore Drilling Units Rules (2017)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-6-4/13 of Steel Vessels Under 90 Meters (295 Feet) in Length (2017)

1-1-4/9.7, 1-1-Appendix 2 and 3, 3-6/13 of Facilities on Offshore Installations (2017)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/9 of Offshore Support Vessels (2017)

1-1-4/11.9, 1-1-Appendix 2 and 3, 4-6-4/13 of High-Speed Craft (2017)

1-1-4/7.7, 1-1-Appendix 3 and 4, 4-1-3/9 of Steel Barge Rules (2017)

International Standards

IEC 60092-350(2014), IEC 60092-353(2011), IEC 60092-360(2014), IEC 60228(2004), IEC 60332-1(2004), IEC 60332-3-22 Category A(2009), IEC 60754-1/2(2011), IEC 61034-1/2(2005), IEC 60331 (2009)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink, appearing to read "James J. White".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 13-Oct-2020 7:10

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 is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. 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 this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

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.