



TYPE APPROVAL CERTIFICATE

Certificate No. : NAJ20123-EL008 **Initial Approval** : 2nd November, 2009.

Product : Electric Cable

Manufacturer : Jiangsu Yuanyang Cable Co., Ltd.

2# Baoshi Road, Guazhou Town, Yangzhou City, Jiangsu Province, P.R.
China

Product Description : XLPE insulated Thermoplastic Polyolefin sheathed shipboard power cables

Type : CJPF/SC/NC, CJPF80/SC/NC, CJPF90/SC/NC, CJPF86/SC/NC, CJPF96/SC/NC
CJ85/SC/NC, CJ86/SC/NC

" See Appendix 1 "

Approval Condition : 1. This approval is granted on the basis of the test report no. CT08-1516, CT08-1865, CT09-0486-2, CT09-0486-4, CT09-0486-6 issued by China National Centre for Quality Supervision and Test of Electric Wire and Cable.
2. Individual Product Certification is required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 1, Sec. 4 of the Rules for Classification of Steel Ships and IEC 60092-350, 60092-351, 60092-353, 60754-1~2, 61034-1~2, 60092-359, 60332-1, 60332-3(Cat. A), 60331.

This Certificate is valid until 1st November, 2019.

Issued at Shanghai, China on 28th January, 2015.



*General Manager of
Technical Support Team
CHINA KR Co., Ltd.*

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : NAJ20123-EL008

Date of Issue : 28th January, 2015.

Product Description :

- Type : CJPF/SC/NC, CJPF80/SC/NC, CJPF90/SC/NC, CJPF86/SC/NC
CJPF96/SC/NC, CJ85/SC/NC, CJ86/SC/NC
- Conductor : Stranded Tinned Copper
- Insulation : XLPE (Cross-linked Polyethylene)
- Inner sheath : Thermoplastic Polyolefin
- Armour : 8 - Tinned Copper Wire Braid
9 - Galvanized Steel Wire Braid
- Outer sheath : 0 - Without
5 - Thermoset Polyolefin
6 - Thermoplastic Polyolefin
- Temperature : Max. 90 °C
- Voltage : 0.6/1 kV
- Number of Cores : Conductor Size
 - 1 : 1 ~ 300 mm²
 - 2 : 1 ~ 120 mm²
 - 3 ~ (2+E) : 1 ~ 185 mm²
 - 4 ~ 37 : 1 ~ 2.5 mm²

Note : Suffixes in the above description mean as follows:

- /SC : Halogen-free, low smoke, low toxicity, flame retardant type cable according to IEC 60332-3, Cat. A
- /NC : Halogen-free, low smoke, low toxicity, fire resistant type cable according to IEC 60331

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TYPE APPROVAL CERTIFICATE

Certificate No. : NAJ20123-EL010 **Initial Approval** : 2nd November, 2009.
Product : Electric Cable
Manufacturer : Jiangsu Yuanyang Cable Co., Ltd.
2# Baoshi Road, Guazhou Town, Yangzhou City, Jiangsu Province, P.R.
China
Product Description : XLPE insulated Thermoplastic Polyolefin sheathed shipboard communication cables
Type : CHJPF86/SC/NC, CHJPF96/SC/NC, CHJFP86/SC/NC, CHJFP96/SC/NC
CHJ85/SC/NC, CHJ86/SC/NC, CHJP85/SC/NC, CHJP86/SC/NC

" See Appendix 1 "

Approval Condition : 1. This approval is granted on the basis of the test report no. CT09-0486-1, CT09-0486-3, CT09-0486-5 issued by China National Centre for Quality Supervision and Test of Electric Wire and Cable.
2. Individual Product Certification is required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 1, Sec. 4 of the Rules for Classification of Steel Ships and IEC 60092-350, 60092-351, 60092-376, 60754-1~2, 61034-1~2, 60092-359, 60332-1, 60332-3(Cat. A), 60331.

This Certificate is valid until 1st November, 2019.

Issued at Shanghai, China on 28th January, 2015.



KORAN REGISTER OF SHIPPING

[Signature]
General Manager of
Technical Support Team
CHINA KR Co., Ltd.

Note :1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : NAJ20123-EL010

Date of Issue : 28th January, 2015.

Product Description :

- Type : CHJPF86/SC/NC, CHJPF96/SC/NC, CHJFPF86/SC/NC, CHJFPF96/SC/NC
CHJ85/SC/NC, CHJ86/SC/NC, CHJP85/SC/NC, CHJP86/SC/NC
- Conductor : Stranded Tinned Copper
- Insulation : XLPE (Cross-linked Polyethylene)
- Inner sheath : Thermoplastic Polyolefin
- Shield : P - Copper wire braiding or Alu/Polyester tape with a drain wire
- Armour : 8 - Tinned Copper Wire Braid
9 - Galvanized Steel Wire Braid
- Outer sheath : 5 - Thermoset Polyolefin
6 - Thermoplastic Polyolefin
- Temperature : Max. 90 °C
- Voltage : 150/250 V
- Number of Cores : Conductor Size
 - 1×2 to 48×2 0.5 ~ 2.5 mm²
 - 1×3 to 48×3 0.75 ~ 1.5 mm²

Note : Suffixes in the above description mean as follows:

- /SC : Halogen-free, low smoke, low toxicity, flame retardant type cable according to IEC 60332-3, Cat. A
- /NC : Halogen-free, low smoke, low toxicity, fire resistant type cable according to IEC 60331

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