



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 14/80033(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Jiangsu Yuanyang Cable Co., Ltd. Yangzhou Yuanyang Marine cable factory	
PLACE OF PRODUCTION	No. 2, Baoshi Road, Guazhou, Yangzhou, Jiangsu, China 225129 P. R China	
DESCRIPTION	Halogen-free, Low-smoke & Low-toxicity shipboard power cable	
TYPE	CHJPF86 CHJPF96/SC or /NC	Cross-linked polyethylene insulated, thermoplastic polyolefin inner sheathed, shipboard symmetrical communication cable (see Note 1) (see Note 1)
	CHJFPF86 CHJFPF96/SC or /NC	Cross-linked polyethylene insulated, pair screen, thermoplastic polyolefin inner sheathed, shipboard symmetrical communication cable (see Note 1)
	CHJ85, CHJ86/SC or /NC	Cross-linked polyethylene insulated, shipboard symmetrical communication cable (see Note 1)
	CHJP85, CHJP86/SC or /NC	Cross-linked polyethylene insulated, pair screen, shipboard symmetrical communication cable (see Note 1)
Certificate No.	19/80076(E3)	
Issue Date	21 October 2019	
Expiry Date	29 July 2024	
Sheet	1 of 3	


Kelin Zhang
Shanghai Technical Support Office



LR031.1.2016.06

KL Zhang
Shanghai Technical Support Office

Lloyd's Register Classification Society (China)Co., Ltd
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TYPE(continued)

Note 1) Suffix shows as below, which is followed by flammability code;
 85: Copper wire braided, cross-linked polyolefin outer sheathed
 86: Copper wire braided, thermoplastic polyolefin outer sheathed
 96: steel wire braided, thermoplastic polyolefin outer sheathed
 Flammability code
 /SC: Halogen-free, Low-smoke& Low-toxicity, Flame retardant type tested to IEC 60332-1-2, IEC 60332-3-22, IEC 60754-1~2 & IEC 61034-1~2
 /NC: Halogen-free, Low-smoke& Low-toxicity, Flame retardant & Fire resistant type tested to IEC 60332-1-2, IEC 60332-3-22, IEC 60331-21/31, IEC 60754-1~2 & IEC61034-1~2

APPLICATION

Fixed wiring on ships installations

DESIGN CODE STANDARDS

Manufacture's specification
 IEC60092-351:2004, IEC60092-359:1999; IEC60092-376: 2003, IEC60228: 2004; IEC60332-1-2: 2004; IEC60332-3-22: 2000+A1:2008; IEC60331-21: 1999, IEC60331-31: 2002; IEC60754-1:2011+corrigendum Nov. 2013; IEC60754-2:2011; IEC61034-1~2: 2005+A1:2013;

RATINGS

Type	Rated Voltage(V)	No. of Cores	Conductor ³⁾ Cross Section(mm ²)	Max. Temp.(°C)
/SC,/NC type CHJPF86,CHJPF96 CHJFP86,CHJFP96, CHJ85, CHJ86 CHJP85, CHJP86	150/250	1P~48P (P=Pair)	0.5, 0.75, 1.0, 1.5, 2.5	90
		1T~48T (T=Triad)	0.75, 1.0, 1.5	

Note) 'No. of Cores' is selected from the following series of core number:-
 1P, 2P, 3P, 4P, 5P, 7P, 10P, 12P, 14P, 16P, 19P, 24P, 27P, 30P, 33P, 37P, 48P

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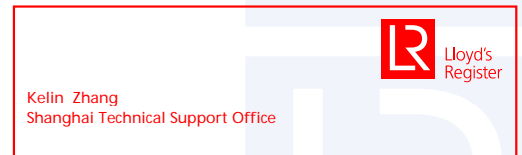
1T, 2T, 3T, 4T, 5T, 7T, 10T, 12T, 14T, 16T, 19T, 24T, 27T, 30T, 33T, 37T, 48T

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. STS/TA/10/80076(E3), Issue No.0, dated 21 October 2019 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 14/80033(E2) to which this extension should be attached.

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