



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 13/10001 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER Jiangsu Yuanyang Cable Co., Ltd.

PLACE OF PRODUCTION No. 2, Baoshi Road, Guazhou, Yangzhou, Jiangsu, China
225129 P. R China

DESCRIPTION XLPE insulated shipboard power cable

TYPE Rated voltage 0.6/1kV, 1.8/3kV power cables:

CJ85/SC-VFD	XLPE insulated, copper wire braded, SHF2 sheathed, bunched flame retardant, halogen-free, low-smoke & low toxicity cable (see Note 1)
CJ86/SC-VFD	XLPE insulated, copper wire braded, SHF1 sheathed, bunched flame retardant, halogen-free, low-smoke & low toxicity cable (see Note 1)
CJPJ85/SC-VFD	XLPE insulated, SHF2 inner sheathed, copper wire braded, SHF2 outer sheathed, bunched flame retardant, halogen-free, low-smoke & low toxicity cable (see Note 1)

Certificate No. 18/80020(E1)

Issue Date 19 March 2018

Expiry Date 09 January 2023

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KL Zhang
Shanghai Technical Support Office

Lloyd's Register Classification Society (China) Co., Ltd
19th Floor, Ocean Towers, 550 Yan An Dong Road, Shanghai 200001

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TYPE(Cont'd) CJPF86/SC-VFD

XLPE insulated, SHF1 inner sheathed, copper wire braded, SHF1 outer sheathed, bunched flame retardant, halogen-free, low-smoke & low toxicity cable
(see Note 1)

Note 1): Inner sheath, outer protection and flammability of cable are shown by the following suffix and flammability code:

Inner sheath suffix:

PF: thermoplastic PO sheathed(SHF1)

PJ: corss-linked PO sheathed(SHF2)

Outer protection suffix:

85: copper wire braided armour with cross-linked OP (SHF2) over sheath

86: copper wire braided armoured with thermoplastic PO(SHF1) over sheath

Flamability code:

/SC: flame retardant, halogen-free, low-smoke & low toxicity

Abbreviation:

XLPE: Cross-linked polyethylene

PO: Polyolefin

APPLICATION

Fixed wiring on ships and offshore installations

DESIGN CODE STANDARDS

Manufacture's specification

IEC60092-350: 2014, IEC60092-353: 2011, IEC60092-360: 2014, IEC60332-1-2:2004; IEC60332-3-22:2000+A1:2008; IEC60754-1:2011+corrigendum Nov. 2013; IEC60754-2:2011; IEC61034-1~2:2005+A1:2013;

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RATINGS

Type	Rated Voltage(kV)	No. of Cores	Conductor Cross Section(mm ²)	Max. Temp.(°C)
CJ85/SC-VFD CJ86/SC-VFD CJPJ85/SC-VFD CJPF86/SC-VFD	0.6/1 1.8/3	3	25~240	90
		3+E	25~240 16~120(E)	
		3+E	25~240 6~50(E)	

Note) 'Conductor Cross-Section' is selected from the following series of conductor size:-
6, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240 mm²

"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/18/80020(E1), Issue No. 0, dated 19 March 2018 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 13/10001 to which this extension should be attached.

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