

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Zhejiang Yuantong Wire & Cable Manufacturing Co., Ltd.
Address	NO.528,Xingguo Road, Yuhang District, Hangzhou, 311108, China
Place of Production	Zhejiang Yuantong Wire & Cable Manufacturing Co., Ltd. NO.528,Xingguo Road, Yuhang District, Hangzhou, 311108, China
Type	Control and Instrumentation Cables
Description	CKJV, CKJV80, CKJV90, CKJV82, CKJV92, CKJP82, CKJVP, CKJVP80, CKJVP90, CKJVP82, CKJVP92, CKEPJ, CKEPJ80, CKEPJ90, CKEPJ85, CKEPJ95, CKEPF, CKEPF80, CKEPF90, CKEPF86, CKEPF96, CKJPF, CKJPF80(90), CKJPF86(96), CKJP86, CKJFPF, CKJFPF80(90), CKJFPF86(96), CKJ85, CKJ86, CKJPJ, CKJPJ80(90), CKJPJ85(95), CKJP85, CKJPJP, CKJPJP80(90), CKJPJP85(95), CHJ85, CHJ86, CHJP85, CHJP86, CHJP95, CHJP96, CHJP85, CHJPF86, CHJPJP85, CHJFPF86, CHEF82, CHEF92, CHEFP82, CHEFP92
Trade Name	CKJV, CKJP, CKJVP, CKEPJ, CKEPF, CKJPF, CKJFPF, CKJ, CKJPJ, CKJPJP CHJ, CHJP, CHJPJ, CHJPF, CHJPJP, CHJFPF, CHEF
Application	Fixed wiring on ship and offshore installations
Specified Standard	Manufacturer's specification IEC60092-350:2020; IEC60092-376:2017; IEC60092-360:2021; IEC60228:2004; IEC60331-1, -2 :2018; IEC60332-1-2:2004+A1:2015; IEC60332-3-22:2018;

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IEC60754-1, -2:2011+ A1:2019; IEC61034-1~2:2005+A 2 :2019;

Ratings

Types:

/DC, /SC/, /NSC: CKJV,CKJV80, CKJV90, CKJV82, CKJV92, CKJP82, CKJVP, CKJVP80, CKJVP90, CKJVP82, CKJVP92,CKJPF, CKJPF80(90), CKJPF86(96), CKJP86, CKJFPF, CKJFPF80(90), CKJFPF86(96), CKJ85,CKJ86, CKJPJ, CKJPJ80(90), CKJPJ85(95), CKJP85, CKJPJP, CKJPJP80(90), CKJPJP85(95)
/DA, /SA/, /NA: CKEPJ,CKEPJ80, CKEPJ90, CKEPJ85, CKEPJ95, CKEPF, CKEPF80, CKEPF90, CKEPF86, CKEPF96

Rated Voltage: 150/250 V

No. of Cores: 2, 3, 4, 5, 7, 10, 12, 14, 19, 24, 27, 30, 33, 37

Conductor Cross Section(mm²): 1, 1.5, 2.5

/DC, /SC/, /NSC: CHJ85,CHJ86, CHJP85, CHJP86, CHJP95, CHJP96, CHJPJ85, CHJPF86, CHJPJP85, CHJFPF86

/DA, /SA, N/A: CHEF82, CHEF92, CHEFP82, CHEFP92

Rated Voltage: 150/250 V

No. of Cores: 1x2, 2x2, 3x2, 4x2, 5x2, 7x2, 10x2, 12x2, 14x2,16x2, 19x2, 24x2, 27x2,

30x2, 33x2,37x2, 44x2, 48x2

Conductor Cross Section(mm²): 0.5, 0.75, 1, 1.5, 2.5

Conductor Max. Temp.(°C) : 90

CK: Shipboard control cable

CH: Shipboard communication cable

Insulation:

J: XLPE;

E: Ethylene Propylene Rubber

Code for sheath

PJ: Cross-linked Polyolefin

PF: Thermoplastic Polyolefin

V: PVC sheath

P: individually screened

Code for armour and outer sheath

8: Copper wire braid

9: Galvanized steel wire braid

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0: without outer sheath
2: PVC outer sheath
5: Cross-linked Polyolefin outersheath
6: Thermal plastic Polyolefin outersheath
Type/DA: Single flame retardant cable, comply with IEC 60332-1;
Type/SA: Bunched flame retardant cable, comply with IEC 60332-3 Cat. A;
Type/NA: Fire resistant cable, comply with IEC60332-3, Cat. A, IEC60331.
Type/DC: Halogen-free Low-smoke Single flame retardant cable, complywith
IEC 60332-1, IEC 60754, IEC61034;
Type/SC: Halogen-free Low-smoke bunched flame retardant cable, complywith
IEC 60332-3 Cat. A, IEC 60754, IEC61034
Type/NSC: Halogen-free Low-smoke fire resistant cable, comply with
IEC60332-3 -22, IEC 60331, IEC 60754, IEC 61034.

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 Design Appraisal Document LR21253416TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.