Certificate No: LR21396971TA
Issue Date: 03/11/2021
Expiry Date: 02/11/2026

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	**Anhui Tiankang(Group) Shares Co., Ltd**
Address	No.20 South Renhe Road, Tianchang, 239300, China
Place of Production	Anhui Tiankang(Group) Shares Co., Ltd No.58 Tiankang Road, Tianchang, China
Place of Production	Anhui Tiankang(Group) Shares Co., Ltd Tiankang Industrial Park, Between of Jingqi Road and Jingba Road, hi tech Industrial Development Zone, Tianchang, China
Type	Control and Instrumentation Cables
Description	Shipboard control and communication cables
Trade Name	CKEPF, CKEPJ, CKEF, CKJ, CKJPF, CKJPJ, CKJ, CHJ, CHJPF, CHJPFP, CHJPJ, CHJPJP, CHJV, CHJVP
Application	Marine applications for fixed wiring on ship installations
Specified Standard	Manufacture's specification IEC60092-350: 2020; IEC60092-376: 2017;IEC60092-360: 2014; IEC60331-1: 2009; IEC60332-1-2: 2018; IEC60332-3-22: 2018; IEC60754-1~2:2011;IEC61034-1~2:2013;

Ke Lin Zhang

Lead Specialist to Lloyd's Register
Classification Society (China) Co Ltd
A member of the Lloyd's Register group

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Ratings

RatedVoltage(V): 150/250
Types:
CKEPF/SC;CKEPF86/SC; CKEPF96/SC; CKEPF80/SC; CKEPF90/SC
CKEPJ/SC;CKEPJ85/SC; CKEPJ95/SC; CKEPJ80/SC; CKEPJ90/SC
CKEPF/NC;CKEPF86/NC; CKEPF96/NC; CKEPF80/NC; CKEPF90/NC
CKEPJ/NC;CKEPJ85/NC; CKEPJ95/NC; CKEPJ80/NC; CKEPJ90/NC
CKEF/SA;CKEF/NA
Conductor size(mm²): 0.5, 0.75, 1, 1.5, 2,5
No. of Cores: 2, 3, 4, 7, 10, 14, 19, 24, 27, 30,37, 44, 48
Types:
CKJ86/SC;CKJ96/SC
CKJ85/SC;CKJ95/SC
CKJPF/SC;CKJPF86/SC; CKJPF96/SC; CKJPF80/SC; CKJPF90/SC
CKJPJ/SC; CKJPJ85/SC;CKJPJ95/SC; CKJPJ80/SC; CKJPJ90/SC
CKJ86/NC;CKJ96/NC
CKJ85/NC;CKJ95/NC
CKJPF/NC;CKJPF86/NC; CKJPF96/NC; CKJPF80/NC; CKJPF90/NC
CKJPJ/NC;CKJPJ85/NC; CKJPJ95/NC; CKJPJ80/NC; CKJPJ90/NC
Conductor size(mm²): 0.5, 0.75, 1, 1.5, 2,5
No. of Cores: 2, 3, 4, 5, 7, 10, 12, 14, 16, 19,24, 27, 30, 33, 37, 40, 44, 48
Types:
CHJ86/SC;CHJ96/SC
CHJ85/SC;CHJ95/SC
CHJPF/SC;CHJPF86/SC; CHJPF96/SC; CHJPF80/SC; CHJPF90/SC
CHJPFP/SC;CHJPFP86/SC; CHJPFP96/SC; CHJPFP80/SC; CHJPFP90/SC
CHJPJ/SC;CHJPJ85/SC; CHJPJ95/SC; CHJPJ80/SC; CHJPJ90/SC
CHJPJP/SC;CHJPJP85/SC; CHJPJP95/SC; CHJPJP80/SC; CHJPJP90/SC
Conductor size(mm²): 0.5, 0.75, 1, 1.5, 2,5
No. of Cores: 1P, 1T, 1Q, 2P, 3P, 4P, 5P, 7P, 10P,12P, 14P, 16P, 19P, 24P, 30P, 37P
Types:
CHJ86/NC; CHJ96/NC

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CHJ85/NC; CHJ95/NC
CHJPF/NC; CHJPF86/NC; CHJPF96/NC; CHJPF80/NC; CHJPF90/NC
CHJPFP/NC; CHJPFP86/NC; CHJPFP96/NC; CHJPFP80/NC; CHJPFP90/NC
CHJPJ/NC; CHJPJ85/NC; CHJPJ95/NC; CHJPJ80/NC; CHJPJ90/NC
CHJPJP/NC; CHJPJP85/NC;CHJPJP95/NC; CHJPJP80/NC; CHJPJP90/NC
CHJV/SA, CHJV82/SA, CHJV92/SA, CHJV80/SA, CHJV90/SA
CHJVP/SA, CHJVP82/SA, CHJVP92/SA, CHJVP80/SA, CHJVP90/SA
CHJV/NA, CHJV82/NA, CHJV92/NA, CHJV80/NA, CHJV90/NA
CHJVP/NA, CHJVP82/NA, CHJVP92/NA, CHJVP80/NA, CHJVP90/NA
Conductor size(mm^2): 0.5, 0.75, 1, 1.5, 2,5
No. of Cores: 1P, 1T, 1Q, 2P, 3P, 4P, 5P, 7P, 10P,12P, 14P, 16P, 19P, 24P, 30P, 37P
The maximum rated conductor temperature: 90°C.
Code for cable series
CK: Shipboard control cable
CH: Shipboard communication cable
Code for insulation
J: XLPE; E: EPR
Code for sheath
F: Polychloroprene rubber; PJ: Cross-linked Polyolefin
PF: Thermoplastic Polyolefin; V:Polyvinyl chloride
Code for flammability
S: Flame retardant for single and bunched cables
N: Flame retardant and fire resistant cables
C: Halogen-free, low-smoke
DA: Flame retardant type tested to IEC60332-1-2:2018
SA: Flame retardant type tested to IEC60332-1-2:2018, IEC60332-3-22:2018
Code for shield
P: wire or twisted pair with individual screen
Code for armour and outer sheath
8: Copper wire braid
9: Galvanized steel wire braid
5: Cross-linked Polyolefin outersheath
6: Thermal plastic Polyolefin outer sheath
0: No outer sheath

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2: Polyvinyl chloride sheath

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 LR21396971TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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