Certificate No: LR2524530TA
Issue Date: 27/08/2024
Expiry Date: 26/08/2029

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 Huayu Cable Group Co., Ltd**

Address High-tech Zone, Wuwei City, Wuhu City, 238339, China

Type Control and Instrumentation Cables

Description CKEF, CKEF80, CKEF90,CKEF82, CKEF92, CKEFR/SA - EPR insulated, PCP (inner) sheathed shipboard control and instrumentation cable, see note.
CKEV, CKEV80, CKEV90, CKEV82, CKEV92/SA - EPR insulated, PVC (inner) sheathed shipboard control and instrumentation cable, see note.
CKEP, CKEP80, CKEP90, CKEP86, CKEP96/SC - EPR insulated, PO (SHF1) (inner) sheathed shipboard control and instrumentation cable, see note.
CKEPJ, CKEPJ80, CKEPJ90, CKEPJ85, CKEPJ95/SC - EPR insulated, Cross-linked PO (SHF2) (inner) sheathed shipboard control and instrumentation cable, see note.

Note) Outer production and flammability of cable is shown by the following suffix and flammability code:-
Outer production suffix;

80: Copper wire braided armour
90: Steel wire braided armour
82: Copper wire braided armour with PVC over sheathed
92: Steel wire braided armour with PVC over sheathed
85: Copper wire braided armour with Cross-Linked PO(SHF2)over sheathed
95: Steel wire braided armour with Cross-Linked PO(SHF2)over sheathed
86: Copper wire braided armour with PO (SHF1) over sheathed
96: Steel wire braided armour with PO (SHF1) over sheathed

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Ning Guan

Electrical & Control - Senior Specialist to Lloyd's Register Classification Society (China) Co., Ltd.

12th Floor, Chong Hing Finance Centre, No. 288
Nanjing West Road, Shanghai, 200003, China

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Flammability code;
/SA: Flame retardant type tested to IEC 60332-1-2, IEC60332-3-22
/SC: Flame retardant, low-smoke & halogen-free type tested to IEC60332-1-2, IEC60332-3-22, IEC60754-1~2, IEC61034-1~2

Abbreviation;
EPR: Ethylene Propylene Rubber
PCP: Poly chloroprene
PVC: Polyvinyl Chloride
PO: Polyolefin

Trade Name EPR Insulated Shipboard Control and Instrumentation Cables

Application Fixed wiring on ships and offshore installations

Specified Standard IEC60092-350:2020, IEC60092-360:2021, IEC60092-376:2017, IEC60228:2023, IEC60332-1~2:2015, IEC60332-3-22:2018, IEC60754-1~2:2011, IEC61034-1~2:2019

Ratings

Type	Rated Voltage(V)	No. of Cores	Conductor Cross Section(mm^2)	Max. Temp.(°C)
/SA type CKEF, CKEF80,CKEF90, CKEF82,CKEF92, CKEFR, CKEV, CKEV80,CKEV90, CKEV82,CKEV92, /SC type CKEP, CKEP80,CKEP90,	150/250	2~37	0.75,1.0,1.5,2.5	90

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CKEP86,CKEP96,
CKEPJ, CKEPJ80,
CKEPJ90,
CKEPJ85,CKEPJ95

Other Conditions Note)"No of Cores" is selected from the following series of core number:-
2,3,4,7,10,14,19,24,30,37

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.

Previous Version: All other details remain as the previous Certificate No. 19/80057(E2) to which this extension should be attached.

The Design Appraisal Document TSO-24-017641-E-03 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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