Certificate No: LR26113404TA
Issue Date: 23/03/2026
Expiry Date: 12/01/2031

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	**Yangzhou Guangming Cable Co., Ltd.**
Address	Lingtangji Town, Gaoyou, Yangzhou, 225652, China
Type	Cables Power
Description	CHJ /SC, /NC series of Shipboard Control and Communication Cables
Trade Name	CHJ /SC, /NC series
Application	Fixed wiring on ship and offshore installations
Specified Standard	Manufacturer's Technical Data; IEC60092-350:2020; IEC60092-376:2025; IEC60092-360:2021; IEC60228:2023; IEC60331-1:2018; IEC60332-1-2:2025; IEC60332-3-22:2018; IEC60754-1:2011+corrigendum Nov. 2013; IEC60754-2:2011; IEC61034-1~2:2005+A1:2013+A2:2019;
Ratings	Types: CHJ85/SC, CHJ85/NC, CHJ86/SC, CHJ86/NC, CHJP85/SC, CHJP85/NC, CHJP86/SC, CHJP86/NC, CHJPJP85/SC, CHJPJP85/NC, CHJPFP86/SC, CHJPFP86/NC Rated Voltage: 150/250 V Conductor Cross Section(mm2): 0.75, 1.0, 1.5 No. of Cores: 1P~30P Conductor Max. Temp.(°C) : 90

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Pawan Borate

Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Type Approval Certificate

"No. of cores" is selected from the following series of cores:-
1P, 2P, 3P, 4P, 5P, 7P, 10P, 12P, 14P, 16P, 19P, 24P, 27P, 30P
"P" shows pair cores.
CHJ85/SC, CHJ85/NC
XLPE insulated, Tinned copper wire braided cross-linked PO outer sheathed, control and
communication cable
CHJ86/SC, CHJ86/NC
XLPE insulated, Tinned copper wire braided PO outer sheathed, control and communication cable
CHJP85/SC, CHJP85/NC
XLPE insulated, separately screen tinned copper wire braided cross-linked PO outer
sheathed, control and communication cable
CHJP86/SC, CHJP86/NC
XLPE insulated, separately screen tinned copper wire braided PO outer sheathed,
control and communication cable
CHJPJP85/SC, CHJPJP85/NC
XLPE insulated, separately screen, cross-linked PO inner sheathed, tinned copper wire
braided cross-linked PO outer sheathed, control and communication cable
CHJPFP86/SC, CHJPFP86/NC
XLPE insulated, separately screen, PO inner sheathed, tinned copper wire braided PO
outer sheathed, control and communication cable

SC: Flame retardant low-smoke & halogen-free cable tested to IEC 60332-1-2, IEC 60332-3-22, IEC 60754-1&-2 and IEC 61034-2
NC: Fire resistant low-smoke & halogen-free cable tested to IEC 60332-1-2, IEC 60332-3-22, IEC 60331-21, IEC 60331-31, IEC 60754-1&2 and IEC 61034-2

Other Conditions

Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR

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Type Approval Certificate

If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2160614TA

The Design Appraisal Document TSO-26-052492-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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