Certificate No: LR25123490TA
Issue Date: 25/06/2025
Expiry Date: 24/06/2030

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	**WUHAN HYSIN SHIP TECHNOLOGY CO., LTD.**
Address	ROOM 703, BUILDING A, OPTICAL VALLEY SEIKO SCIENCE, AND TECHNOLOGY PARK, 8 GREAT WALL ROAD, DONGHU NEW TECHNOLOGY ZONE, WUHAN, 430205, China
Place of Production	WUHAN HYSIN SHIP TECHNOLOGY CO., LTD. Building 2, Pharmaceutical Industry Park, Jiangxia Avenue, Jiangxia, Economic Development District, Wuhan, China
Type	fiber optical cable
Description	Marine Optical Fiber Cables
Trade Name	QFCI, QFCU, QFAI, QFAU, AFCI, AFCU, AICI, AICU
Application	Fixed wiring on ships and offshore installations
Specified Standard	Manufacture's Technical Documents IEC 60794-1-21:2015 IEC 60793-1-40:2019 IEC 60332-1-2:2015 IEC 60332-3-22:2018 IEC 60331-25:1999 IEC 60754-1/2:2019 IEC 61034-1/2:2019

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Ning Guan

Electrical & Control Technical Manager - Southeast Asia & Great China to Lloyd's Register Classification Society (China) Co.,

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

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NEK TS 606:2022
UL 1581:2020
IEC 60092-360:2021

Ratings

Maximum operating temperature:90° C

QFCI-FL/FR, QFCU-FL/FR, QFAU- FL/FR, QFAI- FL/FR
Fiber in Loose Tube, PBT Subunit Sheath, double sheath with armored, Marine Optical Fiber Cables

AFCI- FL/FR, AFCU- FL/F, AICI- FL/F, AICU- FL/FR
Tight Buffer Fiber, PBT Subunit Sheath, double sheath with armored, Marine Optical Fiber Cables

Cable Model Description:
Code for Insulation: Q-Loose Tube; A- Tight Buffer Fiber
Code for Inner sheath: F- Bedding/Inner covering or taping; I-Thermoplastic compound SHF1
Code for Armored: A- Aramid Strength member of yarn; C-Galvanized steel wire braid
Code for Outer Sheath: I-Thermoplastic compound SHF1; U- Thermoset compound SHF2 or Mud Resistance thermoset compound
Code for fire resistance feature: FL- Flame retardant; FR- Fire Resistant
Number of Fibers; see appendix
Type of optical fiber:
OS2-B1.3(Single - Mode9/125);
OM1- A1b (Multi - Mode62.5/125);
OM2-A1a (Multi - Mode50/125);
OM3-A1a.2 (Multi - Mode50/125);
OM4-A1a.3 (Multi - Mode50/125);
OM5-A1a.4 (Multi - Mode50/125);

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Type Approval Certificate

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 LR25123490TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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