Certificate No: LR25336114TA
Issue Date: 04/11/2025
Expiry Date: 23/09/2030

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	**OMERIN**
Address	Division Principale,Zone Industrielle, Ambert, 63600, France
Type	Cables Power
Description	Halogen free, flame retardant, single core, silicon rubber insulated, silicon coated synthetic reinforcing braid, shipboard power cables
Trade Name	SILICOUL - 1,1 kV/ SILICOUL - 3,7 kV/ SILICOUL - 6,6 kV/ SILICOUL - 13,8 kV
Application	For use as coil leads in generators, motors, engines, transformers, switchgear and other high temperature connections for marine equipment
Specified Standard	Construction: IEC 60092-350: 2020 IEC 60092-353: 2024 IEC 60092-354: 2020 IEC 60092-360: 2021
	Amount of halogen acid gas: IEC 60754-1:2019 EN 60684-2: 2012
	Halogen free: IEC 60754-2: 2019
	Conductor type: IEC 60228: 2023

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Ashwinikumar Mhamal

Electrical & Control Technical Manager - Africa, Middle East & India to Lloyd's Register Marine and Offshore India LLP

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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Flame retardance: IEC 60332-1-1: 2015
IEC 60332-1: 2015
IEC 60332-3-22: 2018

Ratings

LR Test Spec No.3 (2020)

Type,	Cross-section mm^2,	Conductor class,
SILICOUL 1,1kV	1.5 to 400	Class 5
SILICOUL 3,7kV	1.5 to 400	Class 5
SILICOUL 6,6kV	2.5 to 400	Class 5
SILICOUL 13,8kV	2.5 to 400	Class 5

Other Conditions

Continuous working temperature: -60 °C to +180 °C
Maximum conductor temperature: 95 °C

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

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: LR2022471TA

The Design Appraisal Document TSO-25-036125-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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