Certificate No: LR2317804TA
Issue Date: 14/02/2023
Expiry Date: 16/07/2027

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	**Fire Security AS**
Address	Skibåsen 20B, Kristiansand, 4636, Norway
Place of Production	RUDOLF HENSEL GmbH Lauenburger Landstr. 11, Boernsen, 21039, Germany
Type	Cables Accessories
Description	Intumescent fire resistant coating compound for electric cables
Trade Name	FS1
Application	Coating compound for marine application and on offshore platforms for fixed installed cables
Specified Standard	IEC 60331-1: 05.2009 IEC 60331-21: 04.1999 IEC 60332-3-22: 02.2009
Ratings	Minimum coating thickness in dry condition: 1 mm
Other Conditions	Not for open deck. Prior to coating with the material FS 1, the cables are to be clean oil-free. Refer

Downloaded Copy

Jochen Koerner

Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR2317804TA
Issue Date: 14/02/2023
Expiry Date: 16/07/2027

Type Approval Certificate

to technical data sheets Q-MS 1 940-1, rev. 3, dated 3.2.2022 and
to FS-IMS-16 WI-01, rev. 2, dated 25.10.2022.
Fire test, IEC 60331-1, carried out with Nexans cable type
MPRXCX 0.6/1 kV 3 x 25 mm^2.

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document HPC1762025-23/JK and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.