



Confirmation of Product Type Approval

Company Name: SEOUL ELECTRIC WIRE CO., LTD.

Address: 27-20, MEONGSIMI-GILSAMSEONG-MYEON Korea, Republic of

Product: Cable, Flame Retardant Halogen Free Electric Cables

Model(s): 0.6/1kV HFF-CXP: Flame Retardant Switchboard Wire

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	17-BK1591402-PDA	09-JAN-2017	08-JAN-2022
Manufacturing Assessment (MA)	15-SE2975399	28-AUG-2015	01-SEP-2020
Product Quality Assurance (PQA)	NA	NA	NA

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Intended Service

Halogen free / flame retardant cable, for Electrical Equipment of Marine and Offshore 1) 0.6/1kV Switchboard Wire

Description

- 1) Conductor: Stranded-tinned-annealed copper or annealed copper wires, Class 2 or Class 5
- 2) Insulation: HF90 insulation as per IEC 60092-360 (2014)
- 3) Flame retardant test: As per IEC 60332-1-2 (2004)
- 4) Halogen acid gas: As per IEC 60754-1,-2 (2011)
- 5) Fluorine test: As per IEC 60684-2 (2011)
- 6) Smoke density measurement: As per IEC 61034 (2013)

Ratings

- 1) 0.6/1kV HFF-CXP : 1 to 120mm² for single core

Service Restrictions

1) Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

2) Where the cables are used for propulsion systems, unit certification is required for this product. All propulsion cables, other than internal wiring in control gears and switchboards, are to be subjected to dielectric and insulation tests in the presence of the Surveyor (See 4-8-5/5.17.11 (e) of 2017 Steel Vessels Rules.)