

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Flux combination

with trade name

FAMILIARC™ US-49 / FAMILIARC™ MF-38

Manufacturer

**Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama Kyoto Pref, Japan**

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade	III YTM
Current	AC
Approved diameter	4.8 mm - 6.4 mm
Positions	Flat
Remarks	-

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-06-30**.

Issued at **Høvik** on **2016-07-01**

DNV GL local station: **Kobe**

Approval Engineer: **Maxim Bobrov**

for **DNV GL**

Hanne Anita Hjerpetjønn
Head of Section

Any significant change in design or construction may render this Certificate invalid.