Certificate No: LR2003481TA
Issue Date: 04/05/2020
Expiry Date: 03/05/2025

# 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** | **UNIVERSAL CABLE (M) BHD** |
| **Address** | No. 33, Jalan Tiran, Kangkar Tebrau, Johor Bahru, Johor, 81100, Malaysia |
| **Place of Production** | UNIVERSAL CABLE (M) BHD<br>No. 33, Jalan Tiran, Kangkar Tebrau, Johor Bahru, Johor, 81100, Malaysia |
| **Type** | Power Cables |
| **Description** | High or Low Voltage, Fire Resistant or Flame Retardant, Low Smoke and Halogen Free Power Cables |
| **Trade Name** | TFOU for rated voltage 3.6/6(7.2)kV, 6/10(12)kV, 8.7/15(17.5)kV : XLPE insulated, LSOH separation, Tinned copper wire braided, SHF2 outer sheathed Fla |
| **Application** | Fixed Wiring on Marine and Offshore Installations |
| **Specified Standard** | IEC 60228, IEC 60092-350, IEC 60092-353, IEC 60092-354, IEC60092-360, IEC 60502, IEC 60332-1, IEC60332-3-22 Cat A, IEC 60331-1, IEC60331-21, IEC 60754, IEC 61034<br>Manufacturer's Specification<br>LR-E-TFOU-15kV-X<br>LR-E-TFOU-10kV-X<br>LR-E-TFOU-6kV-X<br>LR-E-TFOU-1kV-X<br>LR-E-BFOU-1kV-X |

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**Hui Luan Tan**

Senior Specialist - Marine to Lloyd's Register Singapore Pte Ltd
A member of the Lloyd's Register group

1 Fusionopolis Place, #09-11 Galaxis, 138522, Singapore

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# Type Approval Certificate

LR-E-TU-1kV-X
LR-E-UX-1kV-X

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|---|---|
| **Ratings** | 0.6/1(1.2)kV, 3.6/6(7.2)kV, 6/10(12)kV, 8.7/15(17.5)kV |
| **Additional Tests** | NEK606 for TFOU, BFOU, TU and UX Type<br>ASTM D 2863 for Minimum Oxygen Concentration |

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 Singapore Pte Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2003481TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Singapore

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