



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 02/ 00027(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	UNIKA Universal Kablo Sanayi
PLACE OF PRODUCTION	Velikoy Sanayi Cerkezkoy Tekirdag, 59550 Turkey
DESCRIPTION	Halogen-free, low smoke, flame retardant / fire resistant and flame retardant, XLPE insulated, SHF1 & SHF2 sheathed, single and multicore, armoured / unarmoured shipboard and offshore power and lighting cables (0.6/ 1 kV)
TYPE	U-HFA m, U-HF m, U-HFA m EMC, U-HFFRA m, U-HF m(C), U-HFA m(C), U-HFFR m, U-HFFR m(C) & U-HFFRA m(C)
APPLICATION	Marine, offshore and industrial use
STANDARD	Construction: To IEC 60092-350 & IEC 60092-353 Insulation: XLPE compound to IEC 60092-360 Outer sheath: SHF1 & SHF2 compound to IEC 60092-360 Halogen free properties: IEC 60754-1 & 2 Smoke emission: IEC 61034-1 & 2 Flame retardance: IEC 60332-3-22 Fire resistance: IEC 60331-21 LR Type Approval System Test Specification No. 1 - 2015.

Certificate No.	02/ 00027(E4)
Issue Date	20 April 2017
Expiry Date	19 April 2022
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RATINGS

0.6/ 1kV
Maximum conductor temperature: 90°C

Type: U-HFA m

No. of cores	Cross sectional area (mm ²)
1	1.5 - 120
2 & 3	1.5 - 95
4	1.5 & 2.5
5	1, 1.5 & 2.5
7, 10, 12, 16 & 19	1.5

Type: U-HF m

No. of cores	Cross sectional area (mm ²)
1	1 - 240
2	1 - 35
3	1 - 240
4	1 - 95
5	1, 1.5 & 2.5
6, 7, 8, 10, 12, 16 & 19	1 & 1.5

Type: U-HFA m EMC & U-HFFRA m

No. of cores	Cross sectional area (mm ²)
1	1.5 - 300
2	1 - 25
3 & 4	1 - 150
5 & 7	1.5 & 2.5
10, 12, 16, 19 & 24	1.5

Type: U-HF m(C) & U-HFA m(C)

No. of cores	Cross sectional area (mm ²)
1	1 - 300
2	1 - 95
3	1 - 240
4	1 - 150

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LR030.2016.06




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5, 7, 10, 12, 16, 19, 24, 27 & 37

1, 1.5 & 2.5

Type: U-HFFR m

No. of cores

1

2

3

4

5, 7, 10, 12, 16, 19, 24 & 37

Cross sectional area (mm²)

0.5 – 300

0.5 - 95

0.5 – 240

0.5 - 150

0.5, 0.75, 1, 1.5 & 2.5

Type: U-HFFR m(C)

No. of cores

1

2

3

4

5, 7, 10, 12, 16, 19, 24 & 37

Cross sectional area (mm²)

1 – 300

1 - 95

1 – 240

1 - 150

1, 1.5 & 2.5

Type: U-HFFRA m(C)

No. of cores

1

2

3

4

5, 7, 10, 12, 16, 19, 24, 27 & 37

Cross sectional area (mm²)

1 – 300

1 - 95

1 – 240

1 - 150

1, 1.5 & 2.5

“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 attached Design Appraisal Document No. 02/00027(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate

All other details remain as the previous Certificate No. 02/ 00027(E3) & 12/ 00036 to which this extension should be attached.

Certificate No. 02/ 00027(E4)

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