



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 11/00006 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	UNTEL KABLOLARI SANAYI VE TICARET A.S.
PLACE OF PRODUCTION	Makine Organize Sanayi Bolgesi, 6. Cadde, No.4, 41455, Dilovasi / Kocaeli Turkey
DESCRIPTION	Halogen-free, low smoke, flame retardant / fire resistant (suffix -FFR), insulated control, communication & instrumentation cables
TYPE	FMGCG, FMGCH, FMGCCH, FMGCH-FFR, FM2XCH, FM2XCH-FFR, FM2XCY-FR, FM2XCCY-FR
APPLICATION	Marine and offshore applications

Certificate No.	11/00006(E1)
Issue Date	5 July 2016
Expiry Date	3 March 2021
Sheet	1 of 3

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS



A. Petrov
Southampton Technical Support Office
Lloyd's Register EMEA

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STANDARD

Construction:	IEC 60092-350 IEC 60092-376 IEC 60092-360
Amount of halogen acid gas:	IEC 60754-1 IEC 60684-2
Halogen-free:	IEC 60754-2
Smoke density:	IEC 61034-1 IEC 61034-2
Flame retardance:	IEC 60332-1-2 IEC 60332-3 Cat. A
Fire resistance:	IEC 60331-21
Conductor resistance	IEC 60228
LR Test Spec No.3, 2015	

RATINGS

60 – 250 V Maximum conductor temperature: 90° C

Type: FMGCG, FMGCH, FMGCCH, FMGCH-FFR, FM2XCH

No. of pairs	Cross sectional area (mm ²)
1, 2 & 4	0.5 & 0.75
7, 10, 14, 19 & 24	0.75

Type: FM2XCY-FR

No. of pairs	Cross sectional area (mm ²)
1, 2, 4, 6, 7, 8, 10, 14, 19 & 24	0.75

Type: FM2XCH-FFR

No. of pairs	Cross sectional area (mm ²)
1, 2, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19, 20, 24 & 37	0.5 & 0.75
No. of quads	
1	0.75

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MTES Southampton Office
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LR031.1.2015.12

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Type: FM2XCCY-FR

No. of pairs	Cross sectional area (mm ²)
1, 2 & 4	0.5 & 0.75
7, 10, 14, 19 & 24	0.75
No. of quads	
1	0.5 & 0.75

"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. 11/00006(E1) issued and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 11/00006 to which this extension should be attached.

Certificate No. 11/00006(E1)
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