



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 11/00005 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 power cables (0.6/1 kV)	
TYPE	MGG, MGCG, MGH, MGH-FFR, MGCH, MGCH-FFR, MGCH-EMC, M2XH, M2XH-FFR, M2XCH, M2XCH-FFR, M2XCH-EMC, M2X, M2XY-FR, M2XCY-FR	
APPLICATION	Marine and offshore applications	
STANDARD	Construction:	IEC 60092-350 IEC 60092-353 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
Certificate No.	11/00005(E1)	
Issue Date	5 July 2016	
Expiry Date	3 March 2021	
Sheet	1 of 4	



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Southampton Technical Support Office
Lloyd's Register EMEA

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LR Test Spec No.3, 2015

RATINGS

0.6/1 kV Maximum conductor temperature: 90° C

Type: MGG, MGCG, MGH, MGH-FFR, MGCH, MGCH-FFR,
M2XH, M2XCH

No. of cores	Cross sectional area (mm ²)
1	2.5 - 300
2	1 - 25
3	1 - 120
4	1 - 95
5 & 7	1, 1.5 & 2.5
10, 12, & 14	1 & 1.5
16, 19, 24, 27 & 37	1.5

Type: M2XY-FR

No. of cores	Cross sectional area (mm ²)
1	4 - 35
2	1 -10
3	1 - 120
4	1 - 95
5	1, 1.5 & 2.5
7, 10, 12 & 14	1 & 1.5
16, 19, 24, 27 & 37	1.5

Type: M2XCY-FR

No. of cores	Cross sectional area (mm ²)
1	4 - 300
2	1 - 25
3	1 - 120
4	1 - 95
5	1, 1.5 & 2.5
7, 10, 12 & 14	1 & 1.5
16, 19, 24, 27 & 37	1.5

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Type: MGCH-EMC

No. of cores	Cross sectional area (mm ²)
3	1.5 - 120

Type: M2X

No. of cores	Cross sectional area (mm ²)
1	0.5 - 240

Type: M2XCH-FRR

No. of cores	Cross sectional area (mm ²)
1	1 - 300
2, 3, 4 & 5	1 - 240
6, 7, 8, 9, 12, 14, 16, 18, 19, 20, 21, 24, 25, 27, 30, 32, 36, 37, 40, 42 & 48	1, 1.5 & 2.5
10	0.75, 1, 1.5 & 2.5
60	1 & 1.5

Type: M2XH-FRR

No. of cores	Cross sectional area (mm ²)
1	0.75 - 300
2, 3, 4 & 5	1 - 240
6, 7, 8, 9, 10, 12, 14, 16, 18, 19, 20, 21, 24, 25, 27, 30, 32, 36, 37, 40, 42 & 48	1, 1.5 & 2.5
60	1 & 1.5

Type: M2XCH-EMC

No. of cores	Cross sectional area (mm ²)
1	1 - 630
2, 4 & 5	1 - 240
3	1 - 400
6, 7, 8, 9, 10, 12, 14, 16, 18,	1, 1.5 & 2.5

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19, 20, 21, 24, 25, 27, 30, 32, 36, 37, 40, 42 & 48	
60	1 & 1.5

"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. 11/00005(E1) issued and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 11/00005 to which this extension should be attached.

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