



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	ELETTROTEK KABEL S.p.A. Via Imerio Tondelli, 10 42011 - Bagnolo in Piano (RE) Italy
PLACE OF PRODUCTION	725806 (as per DAD 17/00038 details)
DESCRIPTION	Low Voltage power cables, Copper conductor, XLPE insulation, Assembly cores laid up, armoured (A) and unarmoured, collective shield CU/PET, Fire resistant (FR), Thermoplastic external sheath LSOH (SHF1 type)
TYPE	GAALSHIP HF 1000 GAALSHIP HF 1000 A GAALSHIP HF 1000 A EMC GAALSHIP HF 1000 A FR EMC GAALSHIP HF 1000 FR GAALSHIP HF 1000 A FR
APPLICATION	Fixed wiring on ship, offshore and marine applications.

Certificate No.	17/00038
Issue Date	17/03/2017
Expiry Date	16/03/2022
Sheet	1 of 2



M. Crucil
Trieste Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
Southampton Boldrewood Innovation Campus, Burgess Road, Southampton SO16 7QF

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SPECIFIED STANDARDS	IEC 60228:2004	IEC 60092-350:2014	IEC 60332-3-22: 2000 + A1 2008
	IEC 60331-1:2009	IEC 60092-353:2011	IEC 60332-1-2: 2004 + A1 2015
	IEC 60331-2:2009	IEC 60092-360:2014	IEC 61034-1: 2005 + A1 2013
	IEC 60331-21: 1999	IEC 60754-1: 2011	IEC 61034-2: 2005 + A1 2013
	HD 308 S2	IEC 60754-2: 2011	EN 50334

RATINGS	Rated Voltages U ₀ /U [V]:	0.6/1 kV
	Maximum rated conductor temperature:	90°C

RANGE	Number of Cores:	Cross Sectional Area [mm ²]:
	1	0.5 ÷ 300
	2	0.5 ÷ 300
	3/3+3	0.5 ÷ 300
	4	0.5 ÷ 300
	5	0.5 ÷ 300
	7 to 37	0.5 ÷ 4

"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 Design Appraisal Document No.17/00038 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	17/00038
Issue Date	17/03/2017
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Sheet	2 of 2

Maurizio Crucil
March-17, 2017

Trieste Technical Support Office
Specialist, Electrotechnical Systems

Lloyd's Register EMEA

LR032.2013.12



M. Crucil
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