

LR Type Approval Certificate Extension

This is to certify that Certificate No. 02/30037(E1) for the under noted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Electro-Draad B.V. Branskamp 7 6014 CB Ittervoort The Netherlands
DESCRIPTION	Single core non sheathed cable for internal fixed wiring, halogen free having low emission of smoke and corrosive gases
TYPE	H05Z-K H07Z-K H07Z-R
APPLICATION	Internal fixed wiring of switchboards, switchboxes and distribution systems in Marine and Offshore Installations
STANDARD	IEC 60228, Conductor NEN- HD 22.9 (2007)
RATINGS	450/750 V (H07Z-R and H07Z-K) 300/500 V (H05Z-K)
INSULATION	Polyolefin cross-linked material, Type EI5 in one or two layers
CROSS SECTIONAL AREA	0.5 - 1 mm ² for type H05Z-K, single core 1.5 - 120 mm ² for type H07Z-K and H07Z-R, single core

Certificate No.	02/30037 (E2)
Issue Date	03 April 2013
Expiry Date	25 February 2018
Sheet	1 of 2



H.L. Reekers
Type Approval Department
Rotterdam

MAXIMUM CONTINUOUS 90° C
CONDUCTOR TEMP.

INDICATION OF ORIGIN ELDRA H07Z-R, H07Z-K or H05Z-K KEMA KEUR (HAR)

"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 LR of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. ROT.TA.1390306 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 02/30037 (E2)
Issue Date 03 April 2013
Expiry Date 25 February 2018
Sheet 2 of 2



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Type Approval Department
Rotterdam

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Document number ROT.TA.1390306
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 03 April 2013	Quote this reference on all future communications ROT.TA.1390306
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LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002.

Issued to: Electro-Draad B.V.

for: Single core, non sheathed cable for internal fixed wiring, halogen free
having low emission of smoke and corrosive gases

Type: H05Z-K - H07Z-K - H07Z-R

TYPE APPROVAL CERTIFICATE No. 02/30037(E2)

The under noted documents have been reviewed for compliance with the requirements of Lloyd's Register's Type Approval System, 2002 and this Design Appraisal Document is a supplement to the Certificate.

APPROVAL DOCUMENTATION

See previous test reports
Reviewed request for services form.
Reviewed 'producten catalogus'

TEST REPORTS

See previous test reports

Supplementary Type Approval Terms and Conditions

LR Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

LR Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules of Lloyd's Register of Shipping are complied with.

This LR Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations of Lloyd's Register of Shipping.

Lloyd's Register of Shipping reserves the right to cancel or withdraw this LR Type Approval Certificate in accordance with the LR Type Approval System Procedure.



H.L. Reekers
Senior Surveyor
Type Approval Department