

# LR Type Approval Certificate Extension

*This is to certify that Certificate No. 93/30005(E3) for the under noted products is extended and renumbered as shown.*

This certificate is issued to:

<b>PRODUCER</b>	Electro-Draad B.V. Branskamp 7 6014 CB IJTERVOORT The Netherlands
<b>DESCRIPTION</b>	Single core non sheathed cable for fixed wiring, P.V.C. insulated T13
<b>TYPE</b>	H05V2-K H07V2-K
<b>STANDARD</b>	IEC 60228 IEC 60332-1, flame retardance HD 21.7 S2, inclusive amendment A1 (1991)
<b>APPLICATION</b>	Internal wiring of switchboards, switchboxes and distribution systems in Marine Installations.

*"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."*

<b>Certificate No.</b>	93/30005(E4)
<b>Issue Date</b>	03 April 2013
<b>Expiry Date</b>	25 February 2018
<b>Sheet</b>	1 of 2



H.L. Reekers  
Type Approval Department  
Rotterdam

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

All other details remain as the previous Certificate No. 93/30005(E3) to which this extension should be attached.

**RATINGS:**                      H05V2-K:    0.3/0.5kV  
   H07V2-K:    0.45/0.75 kV

**CONDUCTOR SIZE:**            0.5 mm<sup>2</sup> to 1 mm<sup>2</sup> for type H05V2-K single core and  
   1.5 mm<sup>2</sup> to 95 mm<sup>2</sup> for type H07V2-K, single core

**Certificate No.**                      93/30005(E4)  
**Issue Date**                            03 April 2013  
**Expiry Date**                            25 February 2018  
**Sheet**                                    2 of 2



H.L. Reekers  
Type Approval Department  
Rotterdam

## DESIGN APPRAISAL DOCUMENT

Date 03 April 2013	Quote this reference on all future communications ROT.TA.1390306/HLR
-----------------------	---

### LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002.

Issued to: Electro-Draad B.V.

for : Single core, non sheathed cable for internal fixed wiring, in Marine Installations.

TYPE APPROVAL CERTIFICATE No. 93/30005(E4)

TYPE: H05V2-K

H07V2-K

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 approval documentation

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