

## LR Type Approval Certificate Extension

*This is to certify* that Certificate No. 03/30029 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>APPLICANT</b>	Kabelbedrijven Draka Nederland B.V. Postbus 1117 1000 BC AMSTERDAM The Netherlands	
<b>PLACES OF PRODUCTION</b>	Draka Kabel B.V. Hamerstraat 2-4 1021 JV AMSTERDAM The Netherlands	Draka Kabel B.V. Abel Tasmanstraat 1 7821 AN EMMEN The Netherlands
<b>DESCRIPTION</b>	Halogenfree, low smoke, flame retardant, EMC protected, power cable.	
<b>TYPE</b>	HULTO-EMC power cable 0,6/1 kV, XLPE insulated, filler or polyester tape wrapping, SHF1 inner sheath, copper tape wrapping incl. copper-wire braid, SHF1 outer sheathed.	
<b>APPLICATION</b>	Fixed wiring on ships and offshore installations.	
<b>SPECIFIED STANDARD</b>	IEC 60092-350 ed 3.0/-351 ed 3.0/-353 ed 2.0/-359, ed 1.2 IEC 60332-1, ed 1.0 IEC 60332-3-22, Cat. A , ed 1.0 IEC 60754, ed 2.0 IEC 61034, ed 3.0 IEC 60096-0-1 ed 2.0	
<b>Certificate No.</b>	03/30029(E1)	
<b>Issue Date</b>	24 February 2009	
<b>Expiry Date</b>	13 November 2013	
<b>Sheet</b>	1 of 2	

  
G.J. Vromans  
Type Approval Department  
Rotterdam

IEC 60228, ed 3.0

## RATINGS

- Rated voltage 600/1000 V
- Maximum continuous conductor temperature 90°C

<u>Conductor cross section</u>	<u>Number of cores</u>
1,5 - 150 mm <sup>2</sup>	3

*"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 attached Design Appraisal Document No. ROT.TA/0990321/8 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

*This certificate is no longer valid when Standards or Rules are amended.*

**Certificate No.** 03/30029(E1)  
**Issue Date** 24 February 2009  
**Expiry Date** 13 November 2013  
**Sheet** 2 of 2

  
G.J. Vromans  
Type Approval Department  
Rotterdam

## LR Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.*

This certificate is issued to:

<b>PRODUCER</b>	Kabelbedrijven Draka Nederland BV Hamerstraat 2-4 1021 JV Amsterdam The Netherlands
<b>DESCRIPTION</b>	Halogenfree, low smoke, flame retardant, EMC protected, power cable.
<b>TYPE</b>	HULTO-EMC power cable 0,6/1 kV, XLPE insulated, filler or polyester tape wrapping, SHF1 inner sheath, copper tape wrapping incl. copper-wire braid, SHF1 outer sheathed.
<b>APPLICATION</b>	Fixed wiring on ships and offshore installations.
<b>SPECIFIED STANDARD</b>	IEC 60092-350/-351/-353/-359, ed.2 IEC 60332-1, ed.1 IEC 60332-3-22, Cat. A , ed. 1 IEC 60754, ed.1 IEC 61034, ed.1 IEC 60096-1 IEC 60228, ed.1
<b>Certificate No.</b>	03/30029
<b>Issue Date</b>	14 November 2003
<b>Expiry Date</b>	13 November 2008
<b>Sheet</b>	1 of 2

  
G.J. Vromans  
Type Approval Department  
Rotterdam

## RATINGS

- Rated voltage 600/1000 V

- Maximum continuous conductor temperature 85°C

<u>Conductor cross section</u>	<u>Number of cores</u>
1,5 - 150 mm <sup>2</sup>	3

*"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 attached Design Appraisal Document No. ROT.TA/0390317 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

**Certificate No.** 03/30029  
**Issue Date** 14 November 2003  
**Expiry Date** 13 November 2008  
**Sheet** 2 of 2

  
G.J. Vromans  
Type Approval Department  
Rotterdam