



CLASSIFICATION REPORT

of reaction to fire for electric cables

1 Introduction

This classification report defines the classification assigned to the cable type *KEGX6L Category 6 Cable, UTP, 4 Pairs, 100 Ω* in accordance with the procedures given in EN 13501-6.

CLASSIFICATION OF REACTION TO FIRE FOR ELECTRIC CABLES IN ACCORDANCE WITH EN 13501-6

Sponsor:

Cable Co., LTD.
CHINA

Prepared by:

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Merianstraße 28, 63069 Offenbach,
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Notified Body No:

0366*

Product name:

KEGX6L Category 6 Cable, UTP, 4 Pairs, 100
Ω

Classification report No:

5020671/9-1

Issue number:

1

Date of issue:

2017-03-22

This classification report consists of 6 pages and may only be used or reproduced in its entirety.

* To be used for CE marking only



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3 Reports and results in support of this classification 3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date
VDE Institute		229650-CC4-1	2017-02-16 <input checked="" type="checkbox"/> EN 60332-1-2 <input type="checkbox"/> EN 50399 <input type="checkbox"/> EN 61034-2 <input type="checkbox"/> EN 60754-2
VDE Institute		229650-CC4-6	2017-03-15 <input type="checkbox"/> EN 60332-1-2 <input checked="" type="checkbox"/> EN 50399 <input checked="" type="checkbox"/> EN 61034-2 <input type="checkbox"/> EN 60754-2
VDE Institute		229650-CC4-7	2017-03-15 <input type="checkbox"/> EN 60332-1-2 <input type="checkbox"/> EN 50399 <input type="checkbox"/> EN 61034-2 <input checked="" type="checkbox"/> EN 60754-2



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3.2 Results

Test method and test number	Parameter	No. tests ²	Results ³	
			Continuous parameter – mean m	Compliance parameters with
Test for vertical flame H propagation for a single insulated wire or cable (EN 60332-1-2)		1	N/A	Compliant
	Heat release and smoke production measurement on cables during flame spread test (EN 50399)			
		1	3,3 m	N/A
			228 kW	N/A
	<u>HRR_{av}</u>		39 MJ	N/A
	<u>THR₁₂₀₀</u>		582 W/s	N/A
	<u>FIGRA</u>		127 m ²	N/A
	<u>TSP₁₂₀₀</u>		0,74 m ² /s	N/A
	<u>SPR_{av}</u>		N/A	Not compliant
	Flaming drop-lets / particles			
Determination of acidity (by pH measurement) and conductivity (EN 60754-2) pH	Conductivity	1	4,4 µS/mm	N/A
			5,1	N/A
Measurement of smoke density of cables burning under defined conditions (EN 61034-2)	Minimum value of transmission	1	80 %	N/A

² According to EN 13501-6: Number of individual measurements necessary to obtain a result value; does not refer to the number of tests through the application of EXAP rules according to TS 50576.

³ When applying EXAP rules according to TS 50576, only the results that contribute to the classification are listed.



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4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-6.

4.2 Classification

The product *KEGX6L Category 6 Cable, UTP, 4 Pairs, 100 Ω* in relation to its reaction to fire behaviour is classified:

D_{ca}

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets / particles is:

d2

The additional classification in relation to acidity is:

a2

The format of the reaction to fire classification for electric cables is:

Fire behaviour	Smoke production	Flaming droplets	Acidity
D_{ca}	- s 2	- d 2	- a 2

i.e. D_{ca}-s2-d2-a2



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4.3 Field of application

This classification is valid for the following product parameters as determined in the expanded application process according on CLC/TS 50576:

No application of CLC/TS 50576, the report is only valid for the cable type described in section 2.2.

The classification is valid for all end use applications.

5 Limitations

This classification document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

SIGNED

Reiner Lehrer
Creator of the classification report

APPROVED

Dr. Christian Cornelissen
Head of the Notified Body
Construction Products Regulation