



中国认可
国际互认
检测
TESTING
CNAS L3533

Test Report

No. CZFS2402000146FF

Date: Mar. 5, 2024

Page 1 of 4

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

No. 1399, Binxing Road, Binjiang District, Hangzhou, Zhejiang, China

Sample Name: Network Cable

SGS Ref No.: GZES2401001652CO

Sampling: Test sample(s) were collected by SGS Fimko authorized person. SGS Fimko takes responsibly for the authenticity of the samples

Test Requested:

EN 61034-2:2005+A2:2020 Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements.

Test Results: --- See attached sheet ---

Test Period:

Sample Receiving Date : February 21, 2024

Test Performing Date : February 21, 2024 TO February 24, 2024

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd

Matthew Fang
Approved Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd.
Fire Technology Services (Changzhou) Co., Ltd.

No.3, East Hehai Road, Tianning District, Changzhou, Jiangsu Province, China
中国·江苏·常州市天宁区河海东路3号

t (86-519) 8380 5217
t (86-519) 8380 5217

f (86-519) 8380 5219
f (86-519) 8380 5219

www.sgs.com
sgs.china@sgs.com

I. Test Conducted

This test was conducted according to EN 61034-2:2005+A2:2020 Measurement of smoke density of cables burning under defined conditions –Part 2: Test procedure and requirements.

II. Sample details

Description*	Network Cable
Model*	DH-PFM923I-6UN-CC
Designation type*	DH-PFM923I-6UN-CC
Generic construction*	Cu / HDPE / Separator: PE / Rip cord / LSZH
Number of cores*	8
Color of sheath	White
Overall diameter ¹⁾	6.1mm
Marking	ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD. DH-PFM923I-6UN-CC UTP CAT6 LSZH 4PAIRS CPR EN50575 Cca CERTIFIED Q/DXJ 067-2019 100496 2023/11/01 154m
Specimen length	About 1000mm
Manufacturer*	Zhejiang Dahua Vision Technology Co., Ltd.
Address of Manufacturer*	No. 1399, Binxing Road, Binjiang District, Hangzhou, Zhejiang, China

*: Provided by the applicant.

This product is defined as Communication cable according to EN 50575.

III. Conditioning

Before testing, all test pieces should be straightened than conditioned for at least 16h at (23±5) °C.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

IV. Preparation of specimen

Number of test pieces: 7 ;

*Formula:

D > 40mm,	N=1
20mm < D ≤ 40mm,	N=2
10mm < D ≤ 20mm,	N=3
5mm < D ≤ 10mm,	N ₁ =45/D
1mm ≤ D ≤ 5mm,	N ₂ =45/3D

D—overall diameter of cable.

N₁—The number of test pieces, N₁=45/D. The value of N₁ shall be rounded downwards to integer to give the number of test pieces.

N₂—The number of bundles, N₂=45/3D, and each bundle contain 7 test pieces.

Details of mounting test sample:

Individual test piece or bundles of test pieces shall be bound together at the ends, and at 300mm from each end, at which place they shall be clamped to the support by means of wire binders.

V. Test results

Items	Result
Test duration	40 min
The minimum light transmittance (%)	80.4

EN 61034-2:2005+A2:2020, Annex B (informative) Recommended performance requirement

In the absence of any given requirement, it is recommended that a value of 60 % cable light transmittance is adopted as a minimum for any cable tested against this standard.

Statements:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The specimen was supplied by the sponsor and SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd was not involved in any selection or sampling procedure.

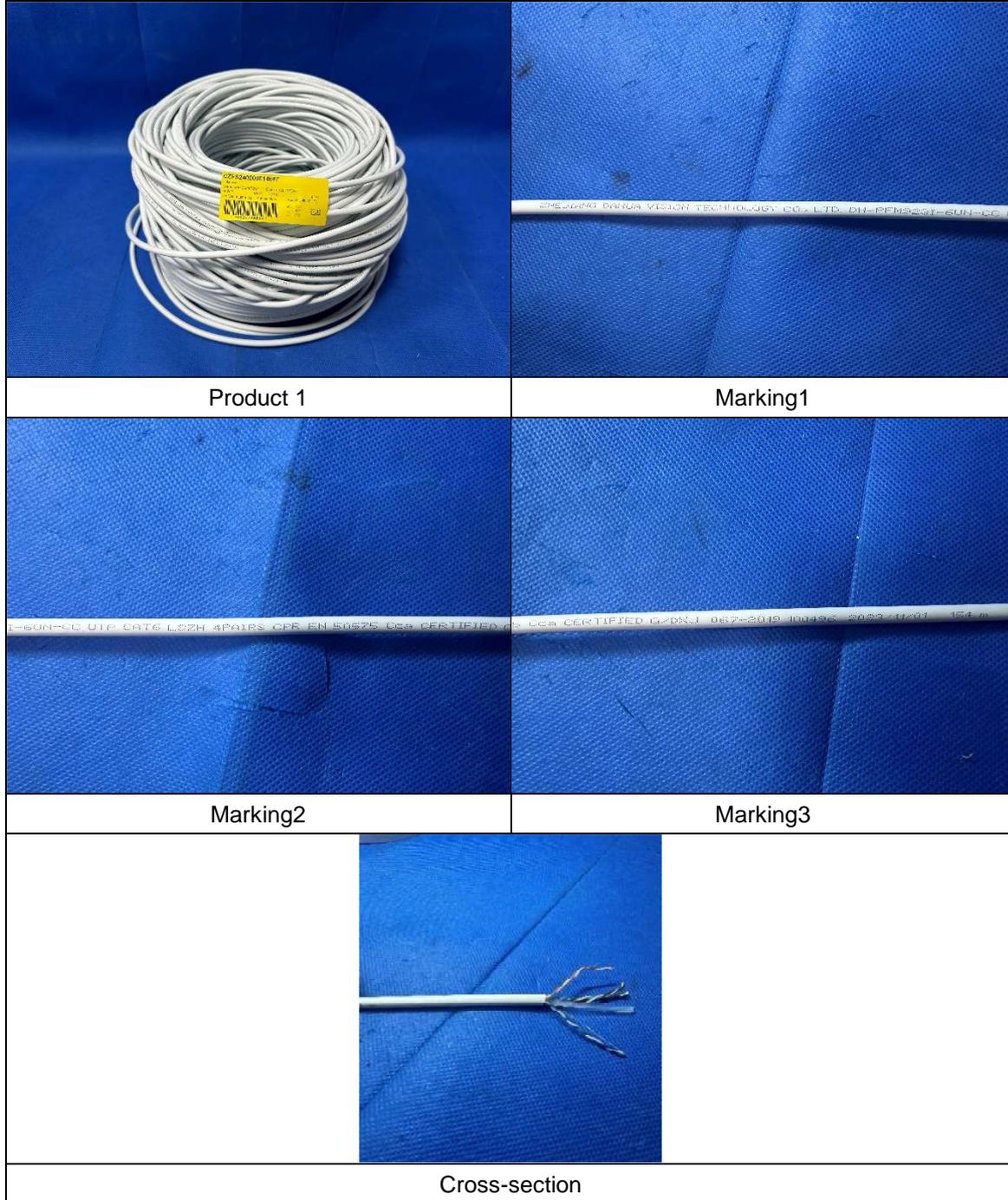
Within the territory of the people's Republic of China, this report is only used for domestic customers' scientific research, teaching, internal quality control and product R & D, and does not have the role of social certification.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.3, East Hehai Road, Tianning District, Changzhou, Jiangsu Province, China

t (86-519) 8380 5217

f (86-519) 8380 5219

www.sgsgroup.com.cn

中国·江苏·常州市天宁区河海东路3号

t (86-519) 8380 5217

f (86-519) 8380 5219

sgs.china@sgs.com