



中国认可  
国际互认  
检测  
TESTING  
CNAS L3533

# Test Report

No. CZFS2402000147FF

Date: Mar. 5, 2024

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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

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**Test Requested:**

EN 60754-2:2014+A1:2020 Test on gases evolved during combustion of materials from cables—Part 2: Determination of acidity (by pH measurement) and conductivity.

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

**Test Period:**

Sample Receiving Date : February 21, 2024  
Test Performing Date : February 21, 2024 TO February 28, 2024

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

Matthew Fang  
Approved Signatory



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## I. Test conducted

This test was conducted according to EN 60754-2:2014+A1:2020 Test on gases evolved during combustion of materials from cables—Part 2: Determination of acidity (by pH measurement) and conductivity.

## 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	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
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. Test details

**Conditioning:** Before testing, all test pieces were conditioned at (23±2) °C for at least 16h at a relative humidity of (50±5)%.



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## IV. Test results

### Composition: Outer sheath

Items	Test No	Sample mass (g)	Single result	Expression of the results using three values		
				Mean value	Standard deviation	Variation coefficient
pH	1	0.9953	7.03	7.01	0.02	0.29%
	2	1.0004	7.01			
	3	1.0001	6.99			
Conductivity (μS/mm)	1	0.9953	0.60	0.60	0.02	3.33%
	2	1.0004	0.62			
	3	1.0001	0.58			

### Composition: Ripcord

Items	Test No	Sample mass (g)	Single result	Expression of the results using three values		
				Mean value	Standard deviation	Variation coefficient
pH	1	1.0005	6.37	6.34	0.03	0.48%
	2	1.0003	6.33			
	3	1.0007	6.31			
Conductivity (μS/mm)	1	1.0005	0.44	0.43	0.01	2.71%
	2	1.0003	0.42			
	3	1.0007	0.42			



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## Composition: PE

Items	Test No	Sample mass (g)	Single result	Expression of the results using three values		
				Mean value	Standard deviation	Variation coefficient
pH	1	1.0039	6.85	6.81	0.05	0.66%
	2	1.0034	6.76			
	3	1.0025	6.81			
Conductivity (µS/mm)	1	1.0039	0.66	0.64	0.02	3.27%
	2	1.0034	0.63			
	3	1.0025	0.62			

## Composition: Inner Sheath

Items	Test No	Sample mass (g)	Single result	Expression of the results using three values		
				Mean value	Standard deviation	Variation coefficient
pH	1	1.0008	6.88	6.85	0.04	0.53%
	2	0.9994	6.86			
	3	1.0022	6.81			
Conductivity (µS/mm)	1	1.0008	0.56	0.57	0.02	2.66%
	2	0.9994	0.59			
	3	1.0022	0.57			

## Weighted values

Composition	W <sub>i</sub> (g/m)	pH'	c' (us/mm)
Outer sheath	17.1	7.0	0.6
Ripcord	0.1		
PE	2.3		
Inner Sheath	3.5		

## EN 60754-2:2014+A1:2020 Annex A (informative) Recommended performance requirements

Cable weighted value

The pH value should not be less than 4,3.



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The conductivity value should not exceed 10µS/mm.

**Conclusion:** The submitted sample **meets** the above recommended performance requirements.

**Statements:**

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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.

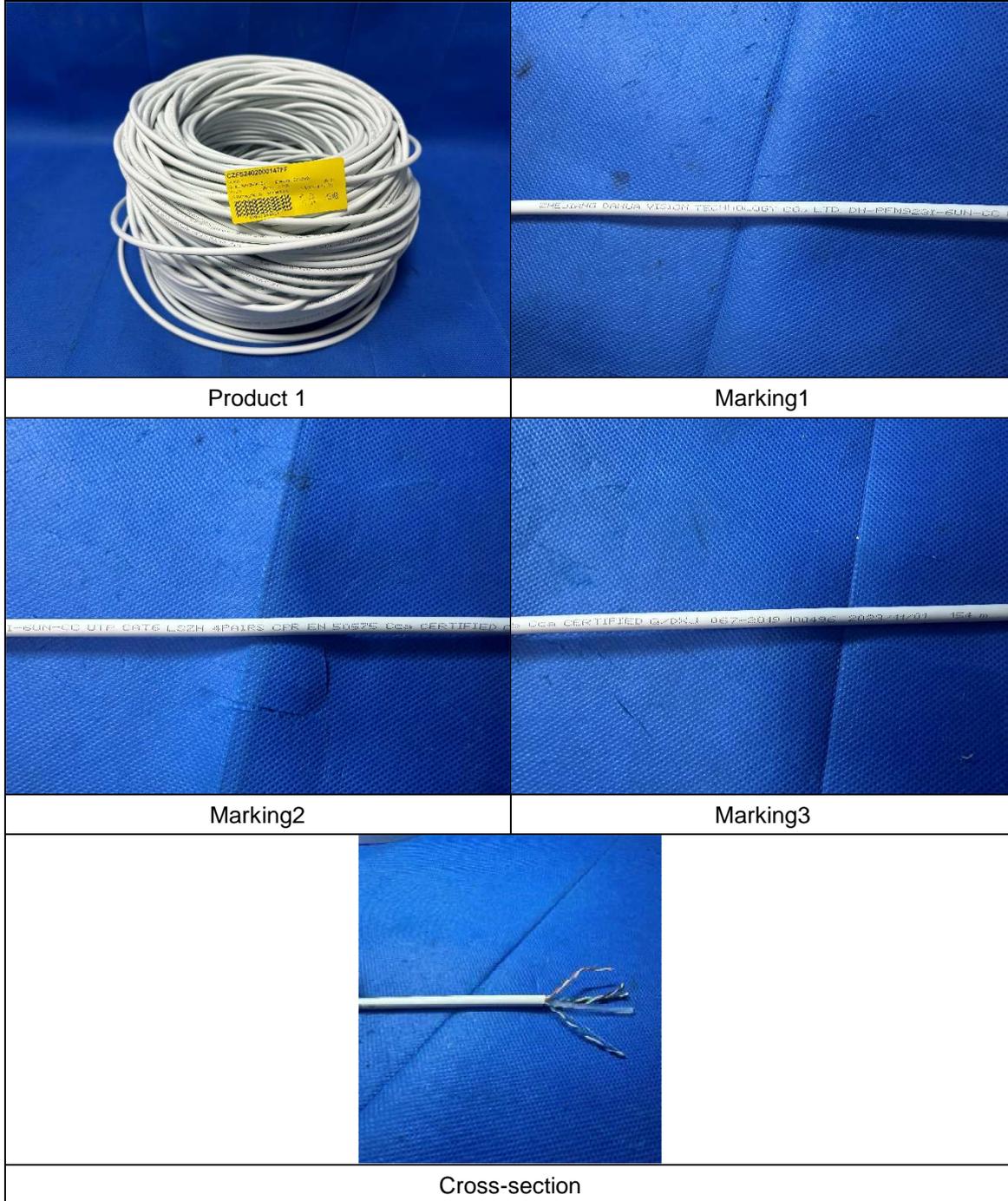
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Photo Appendix:



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\*\*\*End of Report\*\*\*



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