

TEST REPORT

No.: CZFTS25000303R04-1_EN

Date: Jul 09,2025

Page 1 of 6

SHANGHAI JINGSHENG COMMUNICATION TECHNOLOGY CO., LTD

Building 3,2nd floor, No.428, Zhongxin Road, Xiaokunshan Town, Songjiang District, Shanghai, China

Sample Description : 4-fibers SMG657A2 Double-sheathed Micro Distribution Cable LSZH
Project Nr. : 635044/01
Sample Nr. : 20470

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

SGS Ref. No. : WHPL2506000573
Sample Receiving Date : Jun 18,2025
Testing Period : Jun 18,2025 to Jun 26,2025
Test Required : 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 result(s) : See attached sheet

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

Matthew Fang
 Approved signatory

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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.

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*	4-fibers SMG657A2 Double-sheathed Micro Distribution Cable LSZH
Model*	SM G657A2
Designation type*	SM G657A2
Generic construction*	250um fiber / LSZH / Aramid yarn / LSZH
Number of cores*	4
Color of sheath	White
Overall diameter	4-fibers SMG657A2 Double-sheathed Micro Distribution Cable LSZH
Manufacturer*	Shanghai Jingsheng Communication Technology Co., LTD
Address of Manufacturer*	Building 3,2nd floor, No.428, Zhongxin Road, Xiaokunshan Town, Songjiang District, Shanghai, China

*: Provided by the applicant.

This product is defined as Optical fibre 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	1.0002	6.58	6.57	0.05	0.70%
	2	1.0001	6.52			
	3	1.0004	6.61			
Conductivity (μS/mm)	1	1.0002	0.62	0.65	0.03	4.07%
	2	1.0001	0.66			
	3	1.0004	0.67			

Composition: Aramid yarn

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	6.44	6.41	0.03	0.48%
	2	1.0005	6.38			
	3	1.0000	6.42			
Conductivity (μS/mm)	1	1.0005	1.08	1.11	0.03	2.74%
	2	1.0005	1.12			
	3	1.0000	1.14			



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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	1.0002	6.55	6.52	0.03	0.47%
	2	1.0004	6.49			
	3	1.0003	6.53			
Conductivity (µS/mm)	1	1.0002	0.63	0.66	0.03	4.01%
	2	1.0004	0.67			
	3	1.0003	0.68			

Composition: Aramid yarn

Items	Test No	Sample mass (g)	Single result	Expression of the results using three values		
				Mean value	Standard deviation	Variation coefficient
pH	1	1.0000	6.32	6.29	0.03	0.49%
	2	0.9997	6.28			
	3	1.0002	6.26			
Conductivity (µS/mm)	1	1.0000	1.12	1.14	0.02	1.75%
	2	0.9997	1.14			
	3	1.0002	1.16			

Weighted values

Composition	Wi (g/m)	pH'	c' (µs/mm)
Outer Sheath	3.3	6.5	0.8
Aramid yarn	0.9		
Inner Sheath	0.7		
Fiber	0.3		



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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.

The conductivity value should not exceed 10 μ S/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.

The test results or test reports shall not be used for improper or illegal publicity.

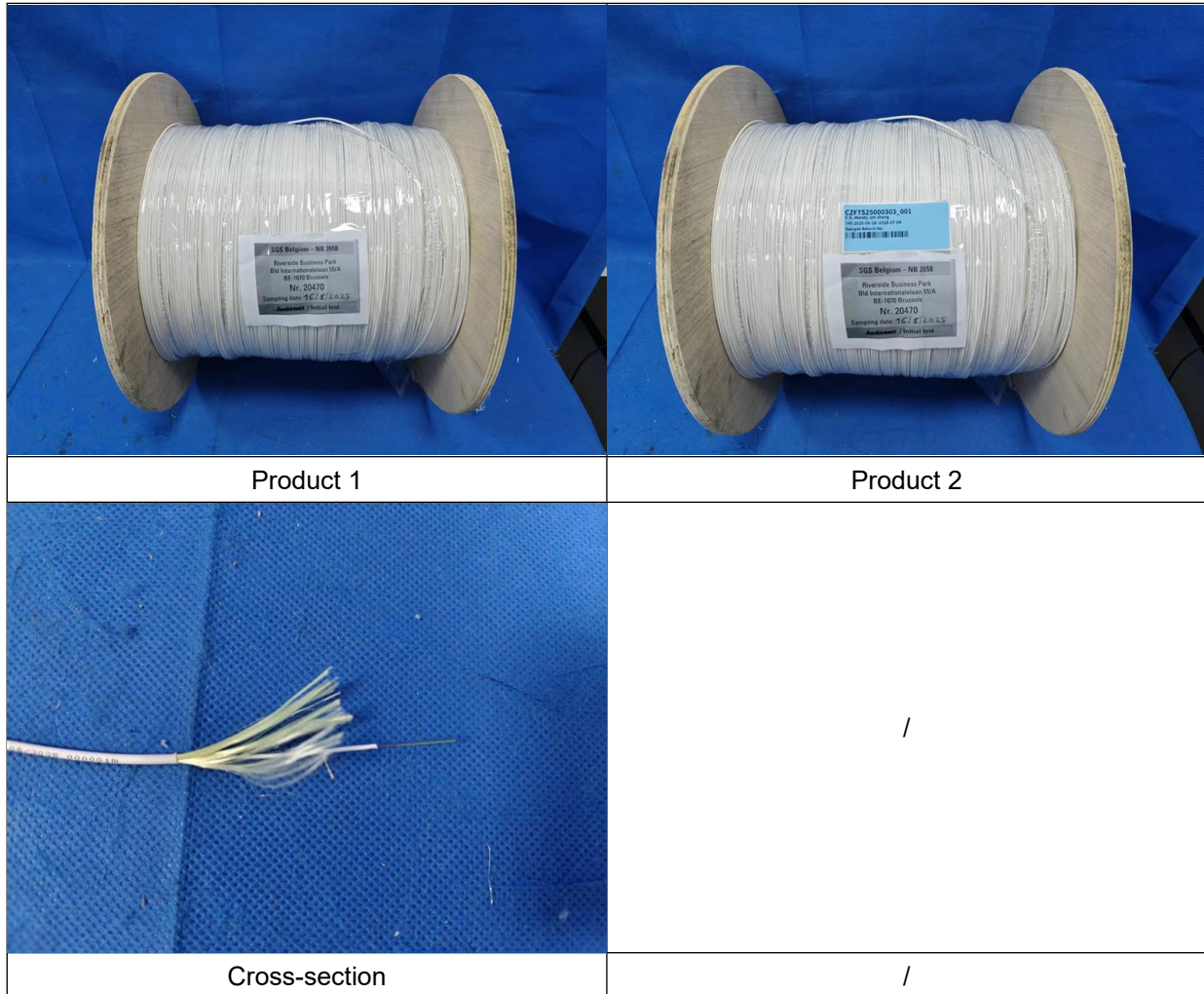
Test Address: No.3, Hehai East Road, Tianning District, Changzhou, Jiangsu, China



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Photo Appendix:



SGS authenticate the photo on original report only

Test applied for by SGS Belgium N.V Division SGS CEPEC. Boulevard Internationalelaan 55, B-1070 Brussel - Belgium, on behalf of Shanghai Jingsheng Communication Technology Co., LTD

End of Report



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