

TEST REPORT

No.: CZFTS25000303R03-1_EN

Date: Jul 09,2025

Page 1 of 4

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 25,2025
Test Required : EN 60332-1-2:2004+A12:2020 Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame.
Test result(s) : See attached sheet

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

Matthew Fang
Approved signatory



check.sgsonline.com.cn



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

Test Requested:

EN 60332-1-2:2004+A12:2020 Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame.

I. Test conducted

This test was performed in accordance with EN 60332-1-2:2004+A12:2020 Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame.

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
Specimen length	600mm
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±5) °C for not less than 16h at a relative humidity of (50±20) %.



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. Test results

Flame application time: 60s

Items	1 st
Distance from the lower edge of the top support to the upper onset of charring (mm)	392
Distance from the lower edge of the top support to the lower onset of charring (mm)	497
Distance from the upper onset of charring (above the flame application point) to the lower onset of charring (below the flame application point) (mm)	105
Afterflame time after the burner removed (s)	0
Afterglow time (s)	20

EN 60332-1-2:2004+A12:2020 Annex A (informative) Recommended performance requirements

- 1) The single insulated conductor or cable shall pass the test if the distance between the lower edge of the top support and the onset of charring is greater than 50 mm.
- 2) Additionally, in order to pass the test, the distance from the upper onset of charring (above the flame application point) to the lower onset of charring (below the flame application point) shall not be in excess of 425 mm.
- 3) In addition, a failure shall be recorded if charring extends downwards to a point greater than 540 mm from the lower edge of the top support.

If a failure is recorded, two more tests shall be carried out. If both tests result in passes, the single insulated conductor or cable shall be deemed to have passed the test.

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.

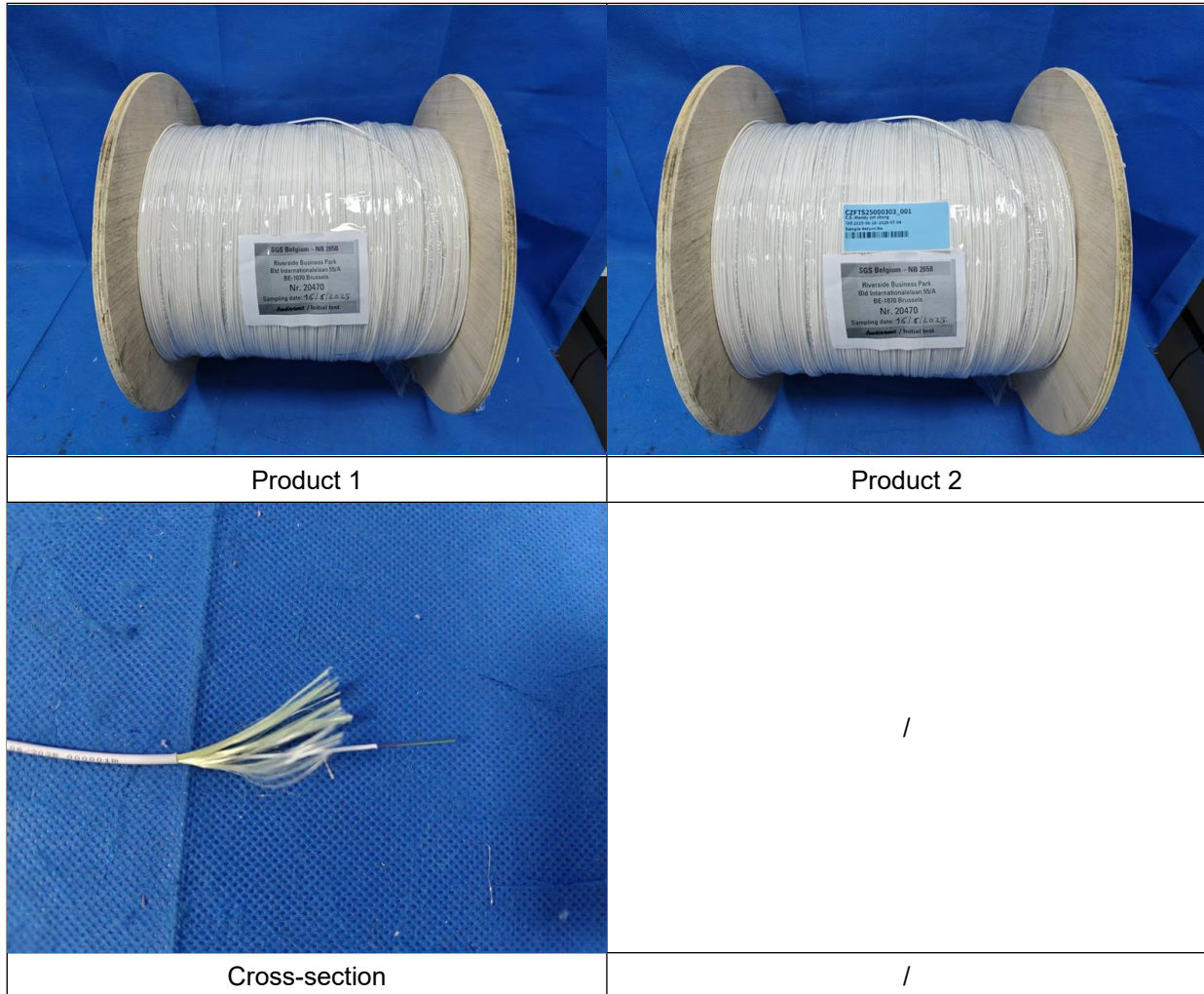
Test Address: No.3, Hehai East Road, Tianning District, Changzhou, Jiangsu, China



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

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

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

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

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