

**TEST REPORT**

No.: CZFTS25000303R05-1\_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 61034-2:2005+A2:2020 Measurement of smoke density of cables burning under defined conditions –Part 2: Test procedure and requirements.  
**Test result(s)** : See attached sheet

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](mailto:CN.Doccheck@sgs.com)**

**Test Requested:**

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

**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*	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	2.2mm
Specimen length	1000mm
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.



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](mailto:CN.Doccheck@sgs.com)**

**III. Conditioning**

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

**IV. Preparation of specimen**

Number of specimens: 42pcs Number of bundles: 6	
*Formula:	
D>40mm,	N=1
20mm < D ≤ 40mm,	N=2
10mm < D ≤ 20mm,	N=3
5mm <D ≤ 10mm,	N <sub>1</sub> =45/D
1mm ≤D ≤5mm,	N <sub>2</sub> =45/3D
D—overall diameter of cable.	
N <sub>1</sub> —The number of test pieces, N <sub>1</sub> =45/D. The value of N <sub>1</sub> shall be rounded downwards to integer to give the number of test pieces.	
N <sub>2</sub> —The number of bundles, N <sub>2</sub> =45/3D, and each bundle contain 7 test pieces.	
<b>Details of mounting test sample:</b>	
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 (%)	94.8

**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.



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.

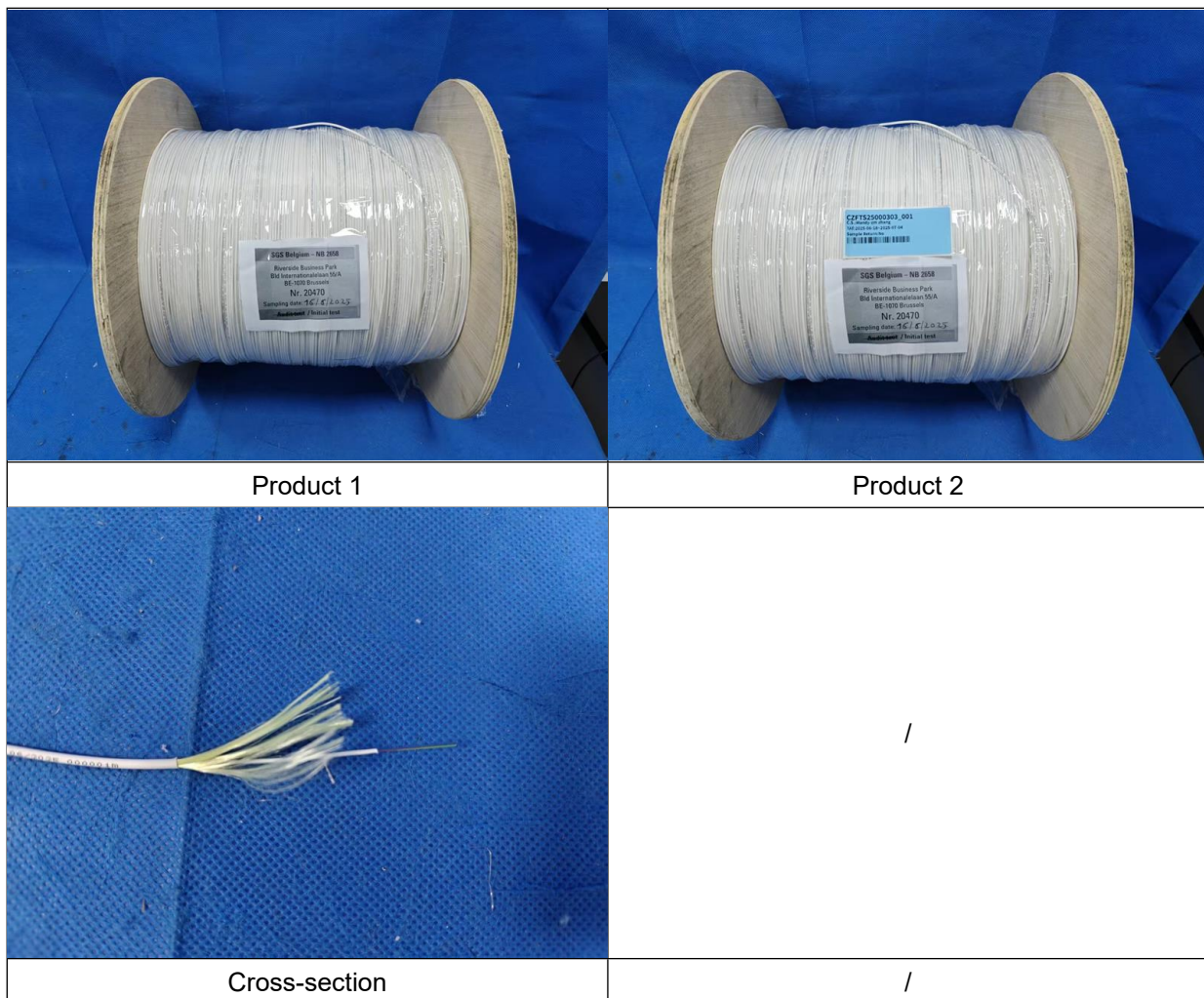
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

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

**Photo Appendix:**



SGS authenticate the photo on original report only

Test applied for by SGS Belgium N.V Division SGS CEBEC. Boulevard Internationalelaan 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](mailto:CN.Doccheck@sgs.com)