YRT FIBER COMMUNICATIONS
Fiber optic cable & connectivity manufacturer
www.yrtfiber.com · yrtfiber@yrtfiber.com · +86-027-63499788

Factory Test Report

Attenuation of the finished cable, measured fibre by fibre

Report No. **YRT-TR-250815001**
Order No. **250815001**
Issued **15 Aug 2025**

PASS

12 of 12 fibres within limit

Worst fibre 0.330 dB/km at 1310 nm (limit 0.35) and 0.209 dB/km at 1550 nm (limit 0.21).

1. Product identification

Product type	**GJBFJH Breakout 12 Core**	Product No.	**250815001**
Fibre	**Corning G.657A1, 12 fibres**	Jacket	**Yellow LSZH**
Outer diameter	**φ13.0 ± 0.5 mm**	Thickness of sheath	**≥ 1.20 mm**
Drum length	**1000 m (1003 m laid)**	Application	**Indoor distribution / breakout**

2. Attenuation test — finished cable, 12 fibres

No. of fibre	Colour	Length (m)	1310 nm dB/km ≤0.35	1550 nm dB/km ≤0.21	Result
1	Yellow	1003	0.320	0.204	PASS
2	Yellow	1003	0.312	0.202	PASS
3	Yellow	1003	0.311	0.196	PASS
4	Yellow	1003	0.322	0.199	PASS
5	Yellow	1003	**0.330**	0.204	PASS
6	Yellow	1003	0.313	0.198	PASS
7	Yellow	1003	0.312	0.200	PASS
8	Yellow	1003	0.318	0.189	PASS
9	Yellow	1003	0.313	0.190	PASS
10	Yellow	1003	0.311	**0.209**	PASS
11	Yellow	1003	0.312	**0.209**	PASS
12	Yellow	1003	0.309	0.182	PASS
Min / Max / Average			**0.309 / 0.330 / 0.315**	**0.182 / 0.209 / 0.199**	**12 / 12 PASS**

Values are the attenuation of the completed cable, not of the raw fibre, measured on the full laid length of the reel. Highlighted cells mark the worst fibre at each wavelength — the figure a customer would hit in the field.

3. Result summary

Wavelength	Limit	Best	Worst	Average	Margin at worst fibre	Verdict
1310 nm	≤ 0.350 dB/km	0.309	0.330	0.315	5.7 %	PASS
1550 nm	≤ 0.210 dB/km	0.182	0.209	0.199	0.5 %	PASS

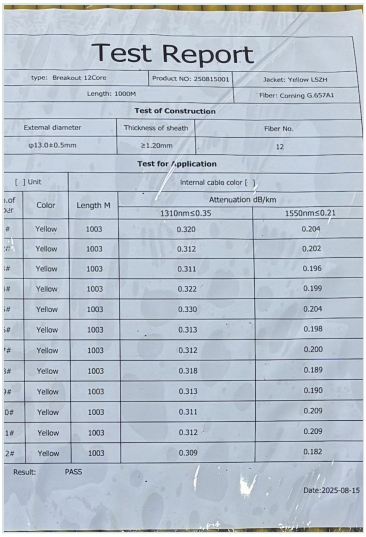
Quality Control
Inspected and released by the QC department

Date of test
15 August 2025

Report status
Original — sealed with the reel, page 1 of 2

Traceability annex

The same record as it leaves the plant, and how to check it against your delivery



Test Report

type: Breakout 12Core | Product NO: 250815001 | Jacket: Yellow LSZH
Length: 1000M | Fiber: Corning G.657A1

Test of Construction

External diameter	Thickness of sheath	Fiber No.
φ13.0±0.5mm	≥1.20mm	12

Test for Application

[ ] Unit — Internal cable color [ ]

No.of fiber	Color	Length M	Attenuation dB/km	
			1310nm≤0.35	1550nm≤0.21
1#	Yellow	1003	0.320	0.204
2#	Yellow	1003	0.312	0.202
3#	Yellow	1003	0.311	0.196
4#	Yellow	1003	0.322	0.199
5#	Yellow	1003	0.330	0.204
6#	Yellow	1003	0.313	0.198
7#	Yellow	1003	0.312	0.200
8#	Yellow	1003	0.318	0.189
9#	Yellow	1003	0.313	0.190
10#	Yellow	1003	0.311	0.209
11#	Yellow	1003	0.312	0.209
12#	Yellow	1003	0.309	0.182

Result: PASS

Date:2025-08-15

Fig. 1 — Test report label, sealed under the drum wrapping of order 250815001.



Fig. 2 — The drum this label belongs to: 1000 m, φ13.0 mm, yellow LSZH breakout cable on a wooden reel.

What the label carries

Product identification	Type, product number, jacket, fibre grade, drum length, diameter, sheath.
Construction	φ13.0 ± 0.5 mm, sheath ≥ 1.20 mm, fibre count 12.
Measured values	Per-fibre attenuation at 1310 and 1550 nm, limit printed beside the wavelength.
Verdict and date	Result PASS and release date, on the sheet that ships with the drum.

How to verify this batch

Match the number	Same product number 250815001 and release date as the drum in your warehouse.
Re-measure	Attenuation is per fibre, so any channel can be re-measured against section 2.
Ask for more	Quote the report number and we send the raw measurement file for this batch.

About this report

This document refers only to the batch identified in section 1. Values are reproduced exactly as recorded at the time of release; the arithmetic in sections 2 and 3 is derived from those recorded figures and nothing has been rewritten or rounded up. Published reports for other products are collected at www.yrtfiber.com/test-reports/.