

Test Report No. 7191289598-EEC22
dated 12 Aug 2022



PSB Singapore

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Subject

TESTING OF OPTICAL FIBRE CABLE

Client

Fibertek Pte. Ltd.
3015A Ubi Road 1
#04-13
Singapore 408705

Attn: Mr. Alvin Wong

Sample Submission Date

21 Jul 2022

Date(s) of Performance of Test

28 Jul 2022

Description of Sample

Type	:	Armoured (CST) Fire Resistant LSZH Uni-Loose Fiber Optic Cable
Brand	:	Fibertek
Model	:	FTSF-FUTMGCZ (FRUVAT)
Fibre count	:	24
Insulation	:	Loose tube - white
Fire resistant layer	:	Mica tape
Filler	:	Glass yarn
Armour	:	Corrugated Steel Tape
Sheath	:	UV resistant and anti-termite LSZH - Black



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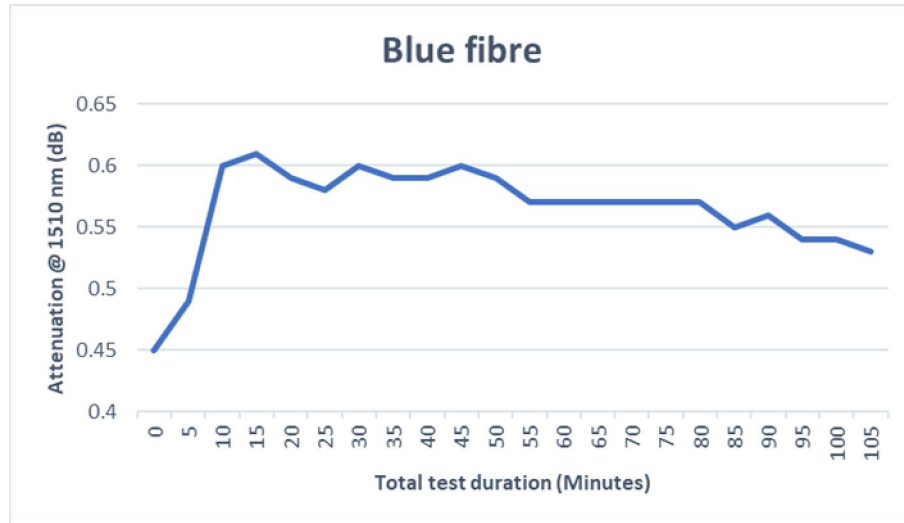
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Method of Test

The assessment detailed in this document was carried out by adopting the procedures specified in IEC 60331-25: 1999 and apparatus specified in IEC 60331-11: 1999 as requested by the client.

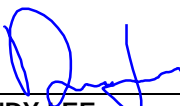
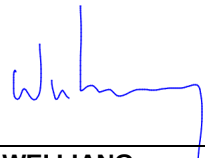
Results

Total test duration	Minute(s)	Attenuation (dB)
		Test wavelength 1550nm
Flame application time: 90 minutes	0	0.45
	5	0.49
	10	0.60
	15	0.61
	20	0.59
	25	0.58
	30	0.60
	35	0.59
	40	0.59
	45	0.60
	50	0.59
	55	0.57
	60	0.57
	65	0.57
	70	0.57
	75	0.57
	80	0.57
	85	0.55
	90	0.56
Cooling period: 15 minutes	95	0.54
	100	0.54
	105	0.53
Total: 105 minutes	Maximum Attenuation	0.61
	Maximum induced Attenuation	0.16



Remarks:

1. Each end of the selected blue fibre was spliced to a pigtail and connected to the optical power and light source as requested by the client.
2. The circuit integrity of the sample under test was monitored every 5 minutes using an optical power meter and light source.
3. The client requested to maintain the circuit integrity for 90 minutes flame application and 15 minutes cooling period.
4. The sample is deemed to comply with IEC 60331-25:1999 based on the adopted requirement.


CINDY LEE
TESTING OFFICER
TAN WEI LIANG
ASSISTANT MANAGER
ELECTRICAL & ELECTRONICS

Appendix I

- a) Marking: Printed on the sheath

FIBERTEK FTSF-FUTMGCZ(FRUVAT)024009 24 x 9/125UM ARMOURED (CST) FIRE
RESISTANT LSZH FIBER OPTIC CABLE YR2022

- b) General view of the cable



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Effective 26 January 2021

