

# FLAMMABILITY MATERIAL TEST CERTIFICATE

**Bunsen Burner Test Data Sheet**
**Test Lab: FLAME-TEK**
**Authorization: N/A**

PART NUMBER: GF100-24TPNS	Lot#: 12059	Aircraft Model: N/A	PO#: 10304	Test Specimen # 01
MANUFACTURER: Gigaflight Connectivity, Inc.		THICKNESS: .10"	Material: Cable	DIRECTION: N/A
MATERIAL DESCRIPTION: Quality Testing of Cable				Conditioning Hrs. 24

## TEST METHOD FAR 25.853

## Pass/Fail Criteria (Max Average)

Appendix F	IGNITION TIME - MATERIAL TEST POSITION	FEDERAL AVIATION REGULATION	EXTINGUISH TIME	BURN LENGTH	DRIP EXTINGUISH	BURN RATE AVG.	FLAME PENETRATION	AFTER GLOW
Part 1 (a)(1)(i)	1. 60 SECOND IGNITION – VERTICAL	FAR 25.853(a)	15 SEC (AVG)	6 IN. (AVG)	3 SEC (AVG)			
Part 1 (a)(1)(ii)	2. 12 SECOND IGNITION – VERTICAL	FAR 25.853(a)	15 SEC (AVG)	8 IN. (AVG)	5 SEC (AVG)			
Part 1 (a)(1)(iv)	3. 15 SECOND IGNITION – HORIZONTAL	FAR 25.853(a)				2.5 IN. MIN		
Part 1 (a)(1)(v)	4. 15 SECOND IGNITION – HORIZONTAL	FAR 25.853(a)				4 IN. MIN		
Part 1 (a)(2)(ii)	5. 30 SECOND IGNITION - 45 DEGREE	FAR 25.853(a)	15 SEC (AVG)				NONE	10 SEC (AVG)
Part 1 (a)(3)	6. 30 SECOND IGNITION - 60 DEGREE	FAR 25.853(a)	30 SEC (AVG)	3 IN. (AVG)	3 SEC (AVG)			

## TEST RESULTS

SAMPLE NO.	TEST METHOD	EXTINGUISH TIME (SECS)	BURN LENGTH (INCHES)	DRIP EXTINGUISH TIME (SEC)	BURN TIME (SEC)	BURN RATE (IN/MIN)	AFTER GLOW (SECS)	Comment:
1	Part 1 (a)(3)	0	1.2	0	30			
2	Part 1 (a)(3)	0	1.3	0	30			
3	Part 1 (a)(3)	0	1.3	0	30			
<b>Average</b>		0	1.27	0				

Test Date: 04-16-21	Witnessed by: Brad Shelton FAA DER	Flame Temp: 1765 °F
Test Time: 1:30 p.m.	PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>	

Document	REV	DATE
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