

# FLAMMABILITY MATERIAL TEST CERTIFICATE

**Bunsen Burner Test Data Sheet**

**Test Lab: FLAME-TEK**

**Authorization: N/A**

PART NUMBER: GF100-24CAT6A	Batch#: 37838A Lot 11035	Aircraft Model: N/A	PO#: 10127	Test Specimen # 03
MANUFACTURER: Gigaflight Connectivity, Inc.		THICKNESS: 24 AWG	Material: Ethernet Cable	DIRECTION: N/A
MATERIAL DESCRIPTION: Quality Testing of Category 6A Ethernet 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)	8 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	1.2	0	30			
3	Part 1 (a)(3)	0	1.2	0	30			
<b>Average</b>		0	1.20	0				

Test Date: 05-14-20

Witnessed by: Brad Shelton FAA DER

Flame Temp: 1750 °F

Test Time: 12:40 P.M.

PASS

FAIL

Document	REV	DATE
FT.FR.01	NC	06-13-13