

FLAMMABILITY MATERIAL TEST CERTIFICATE

Bunsen Burner Test Data Sheet

Test Lab: FLAME-TEK

Authorization: N/A

PART NUMBER: GF824A-5E-1	Batch/Lot#: 39501/ 13136	Aircraft Model: N/A	PO#: 10441	Test Specimen # 01
MANUFACTURER: Gigaflight		THICKNESS: .27"	Material: Cable	DIRECTION: N/A
MATERIAL DESCRIPTION: Testing of Aerospace 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)	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	1.2	0	30			
3	Part 1 (a)(3)	0	1.1	0	30			
Average		0	1.17	0				

Test Date: 11-27-21

Witnessed by: Brad Shelton FAA DER

Flame Temp: 1750 °F

Test Time: 1:10 P.M.

PASS

FAIL

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