



05/07/2025

Flammability Testing for FEP

Jacketed SpeedLine™ Cables

APPROVALS

Revision	Description of Changes	Date	Author
2	Preliminary	05/07/2025	SB

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SCOPE:

The purpose of this document is to show flammability testing per SAE AS4373, Method 801, for one of Glenair's FEP jacketed bulk cables.

TEST ARTICLE DESCRIPTION:

The sample consisted of a section of Glenair 963-066-26, the sales drawing for which is shown in Figure 1.

963-066-26

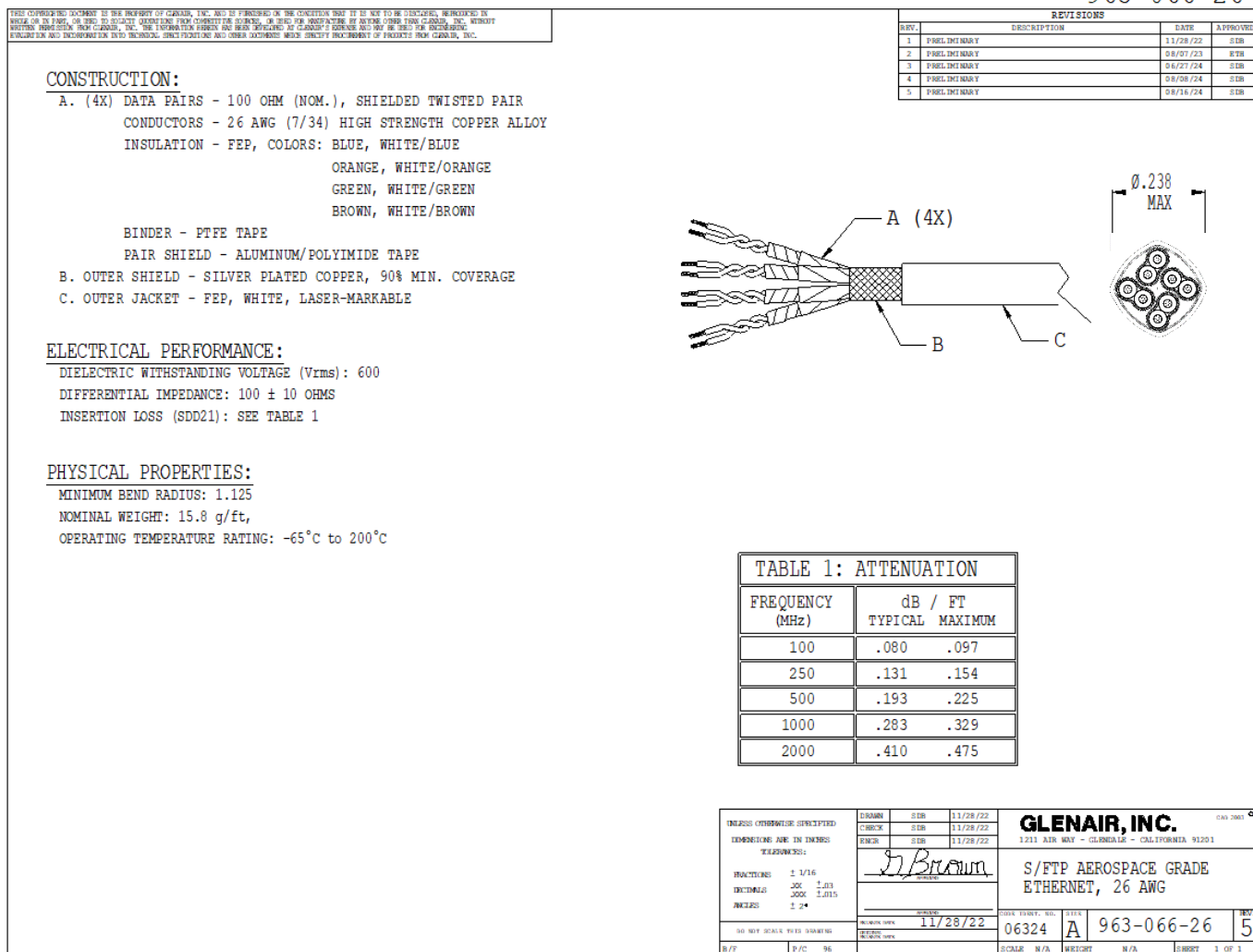


Figure 1: Revision 5 of 963-066-26 SpeedLine™ Ethernet Cable Sales Drawing

TEST PROCEDURE AND RESULTS:

Test Procedure and Results from Vertical Laboratories are included in the following pages.

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Flammability

Doc No. 23326R1CMV1

Test Name	Flammability	Test Start Date	2/16/2024
Job Number	23326	Test End Date	2/16/2024
Client Job Number	N/A		
Test Performed by	Charles Vincent Muniz		
Serial Number	TG2-001		
Equipment Used	TC062, DM001, DM005		
Test Specification	QTP-1387, SAE AS4373, Method 801		
Test Parameters			
The test shall be performed per SAE AS4373, Method 801. The sample shall be marked at a distance of 8 inches from its lower end to indicate the point for flame application and shall be placed in the specified 60-degree position in the test chamber. The lower end of the specimen shall be clamped in position in the specimen holder and the upper end shall be passed over a pulley of the holder and weighted with sufficient weight to keep the specimen taut. The burner flame shall be 3-inches with a 1-inch inner cone, and the flame temperature shall be at least 954°C at its hottest point. The burner shall be placed perpendicular to the specimen. The hottest portion of the flame shall be applied to the lower side of the wire at the test mark for 30 seconds, or until the sample splits in half.			

Sample conditions were altered:	Yes	No	Notes: N/A	Pass	Fail	Record
	-	X		X	-	-
Test Setup Verified by:	Lawrence Quinto			Test Data Reviewed by:	Lawrence Quinto	
Date:	2/16/2024			Date:	3/5/2024	
If applicable, list any Test Deviations:	N/A					
Date:	N/A					

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Flammability Test Data

Doc No. 23326R1CMV1

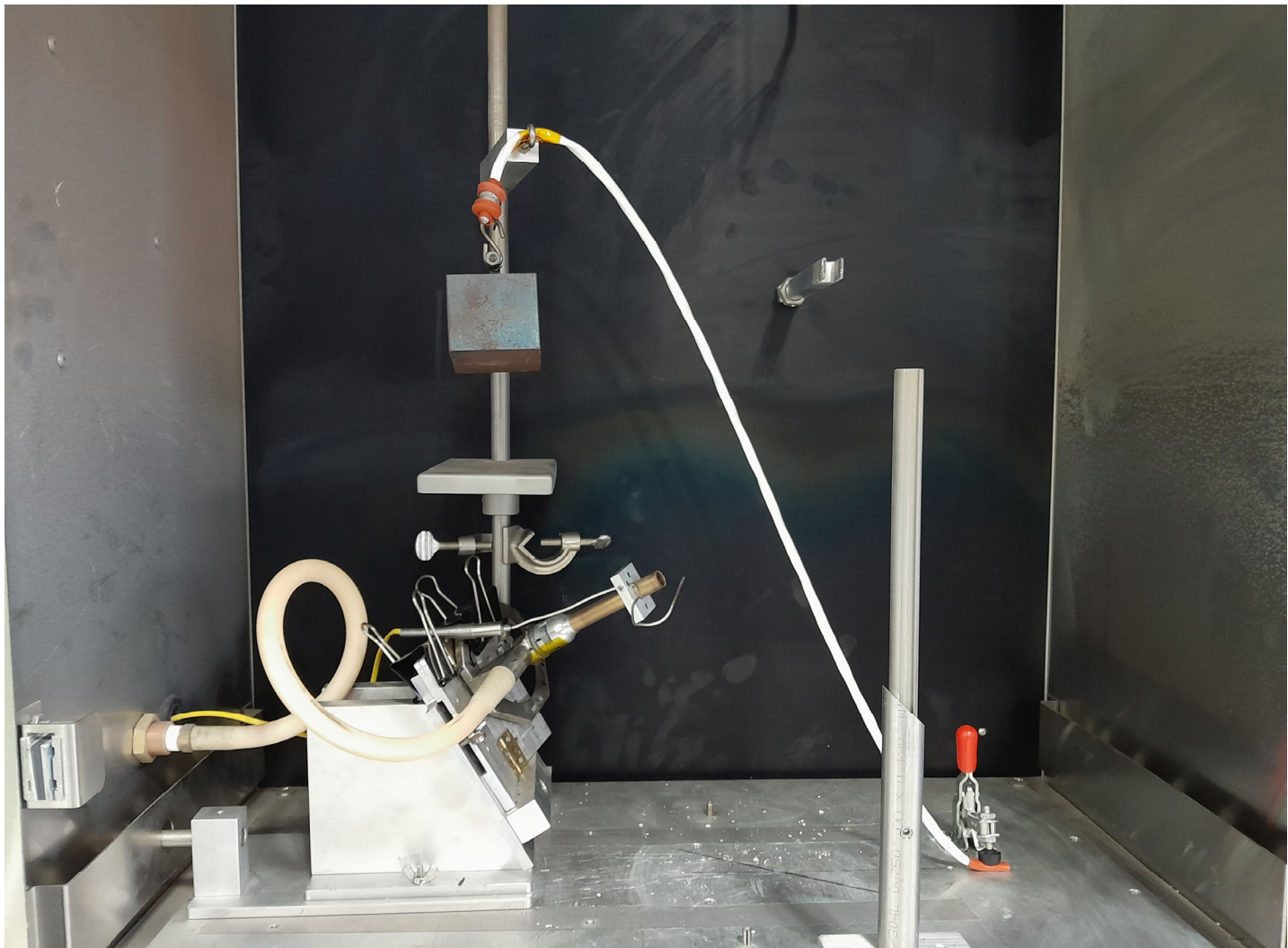
Test Name	Flammability	Date	2/16/2024
Job Number	23326		
Serial Number	TG2-001		
Equipment Used	TC062, DM001, DM005		

Specimen ID	Time to self-extinguish (seconds)	Burning Particles? (Yes / No)	Burned Length (inches)	Notes
TG2-001	<1 second	No	1.282	Ashy particles that fell from the wire self-extinguished immediately after separation from the specimen.

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Description	Typical Test Setup for Flammability Test
Test Name	Flammability
Part Name	Ochito Cable
Test Group	2
Part No.	963-066-26
Serial No.	TG2-001

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Description	Post-Burn Conditionms of Tested Specimen.
Test Name	Flammability
Part Name	Ochito Cable
Test Group	2
Part No.	963-066-26
Serial No.	TG2-001



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CONCLUSION

963-066-26 SpeedLine™ Ethernet cable with a thin white laser-markable FEP jacket passed flammability testing per SAE AS4373, Method 801.

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