

PIC Wire & Cable RF Cable EWIS Testing

The tests below have been completed on PIC Wire & Cable's RF Coaxial Cables. The purpose of the testing was to verify that the products are suited for the aerospace industry.

Test Report Date: 10/07/15

Document ID: QTR-EWIS-101B-1

Test	Test Type	Test Specification	Pass/Fail
Corona Extinction Voltage	Electrical	MIL-DTL-17H / 3.7.5	Pass
Voltage Withstanding	Electrical	MIL-DTL-17H / 3.7.5	Pass
Shielding Effectiveness	Electrical	IEC 61726	Pass
Aging Stability	Mechanical	MIL-DTL-17H / 3.7.15	Pass
Cold Bend	Mechanical	MIL-DTL-17H / 3.7.18	Pass
Conductor Elongation & Tensile Strength	Mechanical	MIL-DTL-17H / 3.7.35	Pass
Stress Crack (Flexure Endurance)	Mechanical	MIL-DTL-17H / 3.7.16	Pass
Immersion	Environmental	MIL-DTL-17H / 3.7.26	Pass
Flammability	Environmental	FAR Part 25.869 (a), App F, Part I (a)(3)	Pass
Toxicity Index	Environmental	AIRBUS ABD0031, Issue F	Pass
Smoke Index	Environmental	AIRBUS ABD0031, Issue F	Pass

Note: Testing such as Impedance, Capacitance, Attenuation, VSWR, Time Delay, & VOP are conducted on every lot of cable manufactured.

Please feel free to contact our Sales & Support team for any inquiries or copies of this report.

PIC Wire & Cable RF Connector EWIS Testing

The tests below have been completed on PIC Wire & Cable's RF Coaxial Connectors. The purpose of the testing was to verify that the products are suited for the aerospace industry.

Test Report Date: 10/07/15
Document ID: QTR-EWIS-101A-1

Test	Test Type	Test Specification	Pass/Fail
Dielectric Withstanding Voltage	Electrical	MIL-PRF-39012E, Paragraph 3.17	Pass
Insulation Resistance	Electrical	MIL-PRF-39012E, Paragraph 3.11	Pass
RF High Potential Voltage	Electrical	MIL-PRF-39012E, Paragraph 3.23	Pass
Contact Resistance	Electrical	MIL-PRF-39012E, Paragraph 3.16	Pass
Center Contact Retention	Mechanical	MIL-PRF-39012E, Paragraph 3.12	Pass
Coupling Proof Torque	Mechanical	MIL-PRF-39012E, Paragraph 3.6	Pass
Coupling Mechanism Retention Force	Mechanical	MIL-PRF-39012E, Paragraph 3.25	Pass
Durability	Mechanical	MIL-PRF-39012E, Paragraph 3.15	Pass
Force to Engage / Disengage	Mechanical	MIL-PRF-39012E, Paragraph 3.5.1	Pass
Mechanical Shock (1)	Mechanical	MIL-PRF-39012E, Paragraph 3.19	Pass
Cable Retention Force (min)	Mechanical	MIL-PRF-39012E, Paragraph 3.24	Pass
Mating Characteristics	Mechanical	MIL-PRF-39012E, Paragraph 3.7	Pass
Vibration (1)	Mechanical	MIL-PRF-39012E, Paragraph 3.18	Pass
Moisture Resistance (Humidity)	Environmental	MIL-PRF-39012E, Paragraph 3.21	Pass
Salt Spray (Corrosion)	Environmental	MIL-PRF-39012E, Paragraph 3.13	Pass
Thermal Shock (1)	Environmental	MIL-PRF-39012E, Paragraph 3.20	Pass

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