STQ-CW-08F08M004-S2

0.8 mm (F) to 0.8 mm (M) VNA Test Cable, 4”

STQ-CW-08F08M004-S2 is a 4” long, instrumentation grade, armored coaxial cable with a 0.8 mm female and a 0.8 mm male connector that covers the frequency range of DC to 145 GHz. The cable is especially designed and manufactured for VNA applications. The coaxial cable utilizes the highest quality test instrumentation grade cable and a precision manufacturing process to guarantee superior microwave performance and mechanical durability. The impedance of the cable is 50 ohms. Other connector type combinations and lengths are offered under different models.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	DC		145 GHz
Insertion Loss @ 145 GHz		4.4 dB	
Return Loss @ DC to 40 GHz		15 dB	
Return Loss @ 40 to 60 GHz		14 dB	
Return Loss @ 60 to 110 GHz		14 dB	
Return Loss @ 110 to 145 GHz		12 dB	
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Connectors 1	0.8 mm Female
Connectors 2	0.8 mm Male
Minimum One-Time Bending Radius	1”
Connector Contact Material	BeCu, Gold Plating per MIL-G-45204
Connector Material	Passivated Stainless Steel
Cable Dielectric	LD PTFE
Outer Cable Jacket Material	Stainless Steel Braid and PTFE
Cable Outer Diameter	0.185”
Length	4”
Outline	CW-0808-S10-A

ECCN

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FEATURES

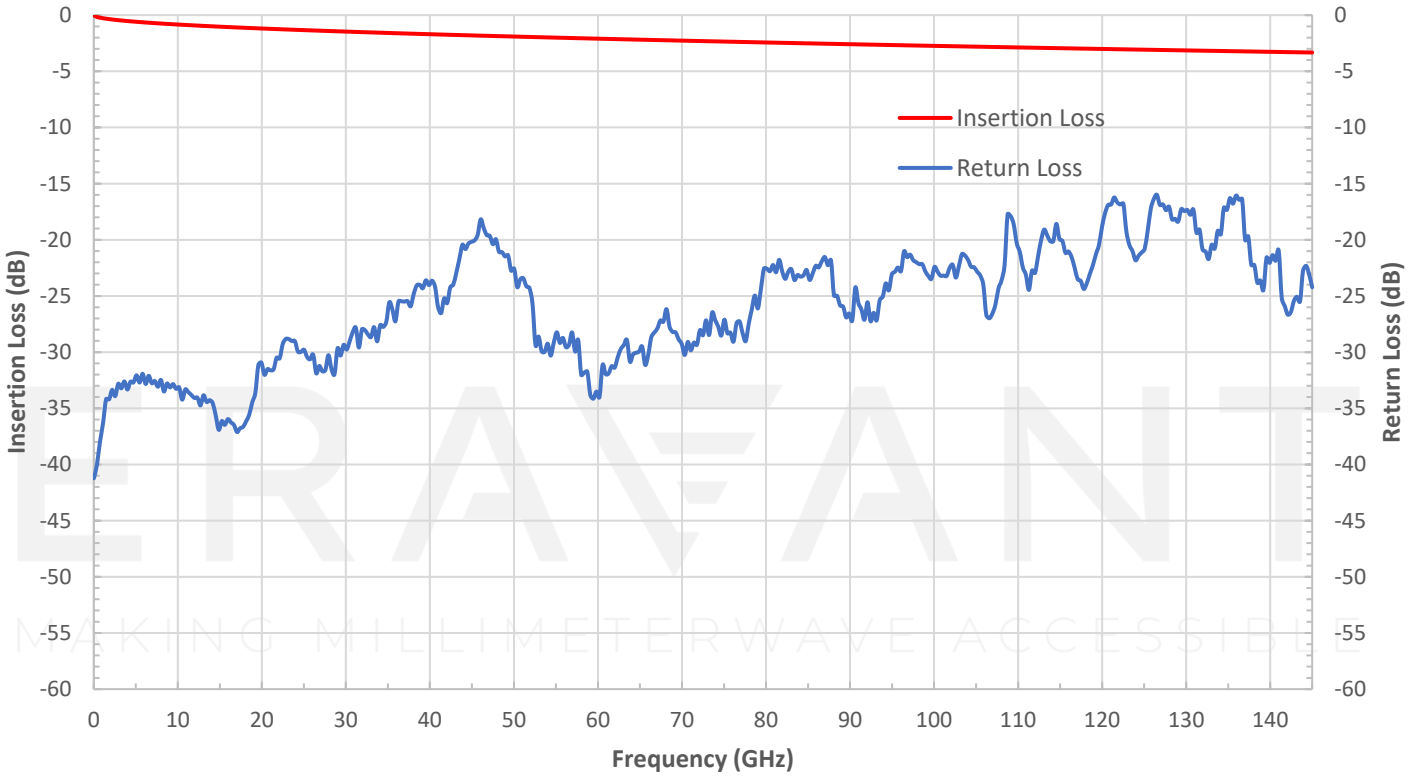
- High Performance
- Armored
- Stable and Reliable

APPLICATIONS

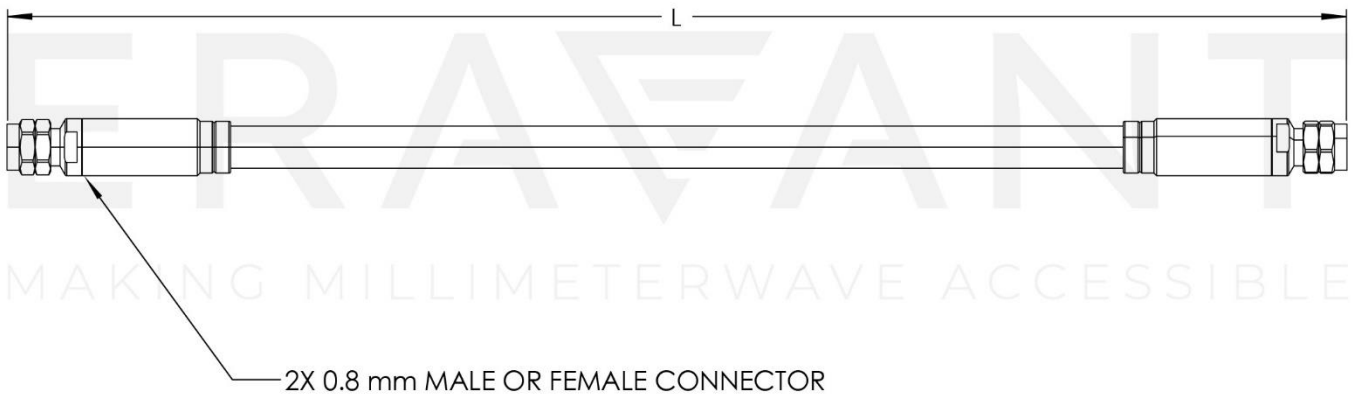
- Test Lab
- VNA

SUPPLEMENTAL DETAILS

Typical Performance vs. Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



NOTE:

LENGTH "L" IS CUSTOMIZABLE

NOTE:

- Length “L” can be customizable.
- All data presented is collected from a sample lot. Actual data may vary slightly from unit to unit.
- All testing is performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Bending the cable sharply will either cause damage or degrade the performance of the cable.
- Proper torque should be applied: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.

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