

**WR-10 Waveguide Cable, Flexible, Armored, 4" Long**

**SCG-10040-F2** is a 4" long WR-10 waveguide cable. The frequency range of the waveguide cable is 75 to 110 GHz. The cable allows for varied orientations of waveguide to waveguide connections. The cable has a typical insertion loss of 4.6 dB and a nominal return loss of 14 dB. The cable features a flexible metallic cable for added protection. Other lengths are offered under different model numbers.

**Electrical Specifications:**

Parameter	Minimum	Typical	Maximum
Frequency	75 GHz		110 GHz
Insertion Loss		4.6 dB	
Return Loss		14 dB	
Power Handling			2 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

**Mechanical Specifications:**

Item	Specification
Waveguides	WR-10 with UG-387/U-M Anti-Cocking Flange
Waveguide Material and Finish	Gold Plated Aluminum
Cable Sleeve Material	Stainless Steel
Length	4"
Min. Centerline Bend Radius (E Plane)	45°/in
Min. Centerline Bend Radius (H Plane)	45°/in
Weight	0.5 Oz
Outline	CG-FW-A-F-L-LN1

**ECCN**

EAR99

**FEATURES**

- Full Band Coverage
- High Return Loss
- Flexible and Durable
- Armored Cable Design

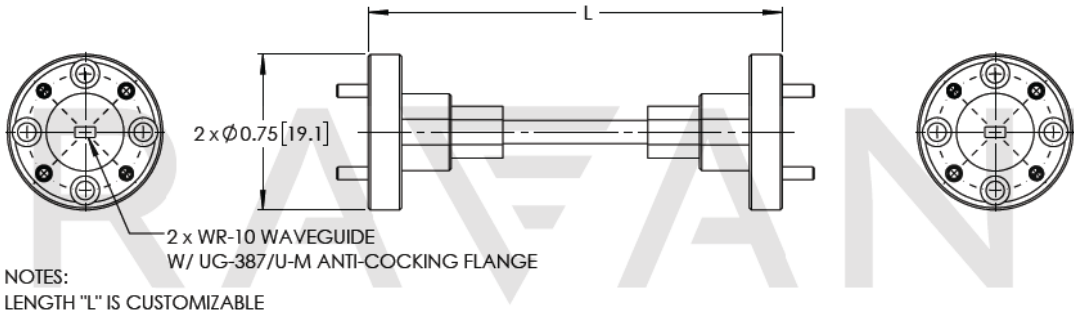
**APPLICATIONS**

- Test Lab
- Sub-assemblies

**SUPPLEMENTAL DETAILS**

## SCG-10040-F2

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



**NOTE:**

- Length "L" can be customizable.
- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- 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.
- Exceeding absolute maximum ratings shown will damage the device.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.