

## Radio Frequency Cable Assembly Requirement Form

Company Name \_\_\_\_\_

Contact Person \_\_\_\_\_

Phone Number \_\_\_\_\_

E-mail \_\_\_\_\_

Item	Description / Unit	Customer Input
Frequency Range	e.g., 0~6 GHz / 18 GHz / 40 GHz	_____
Insertion Loss	Maximum allowable value at specified frequency (dB)	_____
VSWR	e.g., $\leq 1.3 : 1$	_____
Power Handling	Maximum continuous or peak power (W)	_____
Cable Outer Diameter (O.D.)	If limited, please specify (mm)	_____
Min. Bending Radius	e.g., Fixed: 50 mm / Dynamic: 100 mm	_____
Cable Assembly Length	Total length including connectors (mm or inch)	_____ <input type="checkbox"/> mm / <input type="checkbox"/> inch

Please select connector types for both ends:

- End 1: ☐ SMA ☐ N ☐ TNC ☐ 2.92mm ☐ Other: (\_\_\_\_\_)
- End 2: ☐ SMA ☐ N ☐ TNC ☐ 2.92mm ☐ Other: (\_\_\_\_\_)

Operating Environment:

☐ Indoor ☐ Outdoor ☐ High Temperature ☐ Vibration ☐ Other: \_\_\_\_\_

Phase Matching Required?

☐ Yes ☐ No

If yes, please specify allowable tolerance: \_\_\_\_\_ (e.g.,  $\pm 5^\circ$  at 10GHz)



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**Matched With:**

☐ Two Cables ☐ Three Cables ☐ Multiple Cables (\_\_\_\_ lines)

**Impedance:**

☐ 50  $\Omega$  ☐ 75  $\Omega$  ☐ Other: \_\_\_\_\_

**Installation Type:**

☐ Fixed Installation ☐ Movable ☐ Frequent Bending ☐ Other: \_\_\_\_\_

**Temperature Range:** \_\_\_\_\_ (e.g., -40 ~ +85°C)

**EMI Shielding Level Required:**

☐ Standard ☐ High Shielding ☐ Military Grade ☐ Other: \_\_\_\_\_

**Connector Orientation / Alignment:**

☐ Straight ☐ 90° Angle ☐ Specific Direction (please attach drawing)

**Water / Dust Protection Level Required:**

☐ No Protection Needed

☐ Yes, please choose: ☐ IP65 ☐ IP67 ☐ Other: \_\_\_\_\_

**Test Report Requirements (multiple selections allowed):**

☐ VSWR Graph ☐ Insertion Loss Graph ☐ Phase Graph ☐ Data Report

☐ Other: \_\_\_\_\_

**Required Certifications / Standards (multiple selections allowed):**

☐ CE ☐ RoHS ☐ REACH ☐ MIL ☐ Other: \_\_\_\_\_

**Estimated Annual Quantity & Batch Info:**

• Initial Sample Quantity: \_\_\_\_\_

• Estimated Annual Demand: \_\_\_\_\_



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**Other Special Requirements (check or specify):**

- ☐ Heat Shrink with Printed ID  
☐ Label Sticker  
☐ Customer Part Number Marking: \_\_\_\_\_  
☐ Other: \_\_\_\_\_

**Target Applications (multiple selections allowed):**

- ☐ Test Equipment ☐ Radar System ☐ 5G Base Station ☐ Military Device  
☐ Other: \_\_\_\_\_

**Length Matching Required?**

- ☐ Yes ☐ No

If yes, please specify requirement: \_\_\_\_\_

**Notes:**

- Please send the completed form as an email attachment to: [gpsgis@ms24.hinet.net](mailto:gpsgis@ms24.hinet.net)
- If you have any questions about filling out this form, feel free to contact **Nearson**

**Enterprise Corp.** directly.

- This form can be filled and submitted electronically without printing.



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