

## Rely on a proven and approved partner for cable assemblies

### Don't compromise on connectivity

RFI designs and manufactures RF, fiber and copper cable assemblies to support any deployment and meet the most specific performance requirements. With our large portfolio and full customization capabilities, we can deliver exactly what you need. We custom-cut jumpers to the inch, and we build custom jumper assemblies to meet your precise specifications. We can combine jumpers and connectors to meet any requirements, from flexibility, electric performance and fire retardance to low PIM and low loss.



30+ Years Experience



Complete Passive BOM



Total-Solution Provider

### Why Choose RF Industries

#### Fabricated in the USA

Our assemblies are fabricated in state-of-the-art facilities on both coasts using in-stock components for quick turn-around time. For added flexibility, we offer custom kitting solutions to your exact configuration.

#### Complete Customization

We're happy to provide cables to the exact length you need. Need customized labels? We can add serialized numbers, color coding or your logo. Do you require customized PIM and Sweep testing? No problem...we can help!

#### Exceptional Performance

Superior electrical and mechanical performance, including PIM up to -160dBc, along with consistent & guaranteed specifications give our customers the confidence they need for higher reliability and lower TCO.

#### Rigorous Testing Standards

RFI maintains the latest ISO 9001 certifications in every facility. We also comply with global regulations. All of our assemblies are fully tested for quality and performance. Standard testing includes both dynamic and static PIM tests.



## Guaranteed Expertise Every Step of the Way

Our team is focused on quality every step of the way from R&D to network testing and everywhere in between. RFI solutions are designed, built and tested using the latest technologies, advanced systems and specialized manufacturing techniques. PIM testing on the full DC to 6 GHz frequency range confirms performance is maintained as system requirements evolve.

- **3rd Intermodulation Test: Two +43dBm carriers**
- **IM3 (all others):  $\leq -155\text{dBc}$  @ 700MHz or 1900MHz**
- **IM3 4.3-10 (only):  $\leq -160\text{dBc}$  @ 700MHz or 1900MHz**
- **IM3 tested to custom performances by request**

## Trust Us to Take Care of the Details

### Standard Label Contents

- PIM tested value
- Serial number for traceability and verification

### PIM Performance Testing

- RFI uses Kaelus equipment for our testing process

### A sample of our PIM Testing Capabilities

- 700L – available on the PIM Tracker
- 700H – available on the PIM Tracker
- PCS – available on the PIM Tracker
- 700L+700H – temporary cloud link; on PIM Tracker soon
- 700L+PCS – temporary cloud link; on PIM Tracker soon
- 700H+PCS – temporary cloud link; on PIM Tracker soon
- PCS & AWS – temporary cloud link; on PIM Tracker soon
- 700H + AWS – temporary cloud link; on PIM Tracker soon
- 700L+ AWS – temporary cloud link; on PIM Tracker soon
- 700L + 700H + AWS – temporary cloud link; on PIM Tracker soon
- 700L + 700H + PCS – temporary cloud link; on PIM Tracker soon
- 700L + 700H + AWS + PCS – Thumb drive/temporary cloud link

### Quality and Production Standards Compliance

- ISO 9001:2015
- IPC/WHMA-A-620E

### Cable Assembly Process

- Precision-Regulated Induction Solder Equipment
- Automated High-Quality Cable Trimming Tools

### Testing and Quality Assurance

- 100% Static and Dynamic PIM Testing  
*Online results via PIM Tracker™*
- 100% Sweep Testing for S11 & S21 Parameters  
*Guarantees high electrical performance satisfaction*

### Custom Testing

Test results can be provided in multiple ways:

- Printed or emailed
- Uploaded to Dropbox or flash drive

### Custom Labels on Assembly or Packaging

Custom labels can be provided on the assembly or packaging:

- Serialized numbers or test results
- Company logo
- Color coding or customized text

### Kitting

Outsourced add-ons include:

- Hoisting grips
- Metal caps
- Non-RFI connectors

### Other customizations:

Bundled cable assemblies

- Mesh sleeves or cable ties

Custom tolerance

- When the overall assembly length requires more precision

## Use our online PIM Tracker™ to instantly verify cable performance

PIM Tracker makes it easy to see the latest PIM test data for our coaxial cable and jumper assemblies, from anywhere, at any time.

Simply go to our PIM Tracker web page and enter the serial number on the cable jacket. We'll take you right to the test results for the cable so you can view and download the test parameters used and verify the PIM performance meets your requirements.

To go to the PIM Tracker web page:

