



## Low PIM 4.1-9.5 (Mini) DIN Interface Offered Through RF Industries

- Low PIM
- Low VSWR
- Non-tarnish white bronze (tri-metal) plating

### 4.1-9.5 (Mini) DIN to N Adapters



4.1-9.5 Male to N Female  
**RFN-1046-4**



4.1-9.5 Male to N Male  
**RFN-1045-4**



4.1-9.5 Female to N Female  
**RFN-1047-4**



4.1-9.5 Female to N Male  
**RFN-1048-4**

### 4.1-9.5 (Mini) DIN to 7-16 DIN Adapters



4.1-9.5 Male to 7-16 Female  
**RFD-1681-4**



4.1-9.5 Male to 7-16 Male  
**RFD-1682-4**



4.1-9.5 Female to 7-16 Female  
**RFD-1683-4**



4.1-9.5 Female to 7-16 Male  
**RFD-1684-4**

### 4.1-9.5 (Mini) DIN to 4.1-9.5 (Mini) DIN Adapters



4.1-9.5 Male to 4.1-9.5 Female  
**RFD-4195-1950**



4.1-9.5 Female to 4.1-9.5 Male  
**RFD-4195-1952**



4.1-9.5 (Mini) DIN to N Adapter Kit  
**RFA-4195-01**

4.1-9.5 (Mini) DIN to 7-16 DIN Adapter Kit  
**RFA-4195-02**

### Plenum Rated, Low PIM Cable Assemblies with 4.1-9.5 Male Connectors 100% PIM Tested

Times Microwave TFT-402-LF Cable  
**P2RFC-2069** to N Male 1 and 2 meters  
**P2RFC-2070** to 4.1-9.5 (Mini) DIN Male 1 and 2 meters  
**P2RFC-2071** to 7-16 DIN Male 1 and 2 meters


Times Microwave SPP-250-LLPL™ Cable  
**P2RFC-2075** to N Male 1 and 2 meters  
**P2RFC-2076** to 4.1-9.5 (Mini) DIN Male 1 and 2 meters  
**P2RFC-2077** to 7-16 DIN Male 1 and 2 meters



Custom lengths available

### Why 4.1-9.5 (Mini) DIN?

THE N TYPE INTERFACE design is over 70 years old and has been replaced in many wireless site applications with the larger 7-16 DIN interface for better electrical, power and PIM performance. The 4.1-9.5 (Mini) DIN is essentially a compact version of the 7-16 DIN with similar electrical performance.

			
	N Type	4.1-9.5 (Mini) DIN	7-16 DIN
Frequency Range	BEST	BETTER	GOOD
PIM	GOOD	BEST	BETTER
Power Rating	GOOD	BETTER	BEST

How does it work?  
The universal center adapter is the key.



Universal center adapter mates with all Unidapt interface adapters.



The Unidapt adapter of your choice then mates to the other side of the universal center adapter.

Unidapt is a trademark of RF Industries

# UNIDAPT™ — The Original Is Still The Best

## Any Adapter — Any Where — Any Time

DEVELOPED IN 1987, our Unidapt Universal Adapter System has remained a favorite of bench and field technicians for decades. Since the creation of our classic silver-plated, 30-piece kit, we have updated with many variations. Visit our website to see how the Unidapt family has grown.

- Mates every time
- Always in stock
- Replacement parts always available
- Made with superior metals



RFA-4024

Also available in white bronze (tri-metal) plating and silver-plated WI-FI assortment

### Register to Win



Register for our eNewsletter or confirm your Newsletter registration on the Newsletter page at [www.rfindustries.com](http://www.rfindustries.com). Your registration enters you to win an Amazon \$100 gift card. You may also register at the Del Mar Show or IMS by dropping your business card into the fish bowl. Winner to be announced June 13.

### Precision 7-16 DIN Female Bulkhead Adapter Now Available



- Low PIM:  $\leq -155\text{dBc}$
- Operating Frequency: Up to 5,500 MHz
- VSWR:  $\leq 1.10:1$  up to 5,500 MHz
- White bronze (tri-metal) plating
- Non-magnetic



P2RFD-1654-4

### Trivia Answer



Image courtesy of U.S. Government

The first of 24 modern GPS satellites were launched February 14, 1989. Initially used for the US Department of Defense, Global Positioning Systems are used today in numerous civilian applications.

### INSIDE **RF** INDUSTRIES

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Please contact us for more information on any product or service or for a distributor near you.

### Visit Us at the Show

**Del Mar Electronic & Design Show**  
April 30 - May 1,  
Del Mar, CA, Booth #701

**International Microwave Symposium**  
June 3-5,  
Tampa, FL, Booth #608

**DAS and Small Cells Congress**  
June 16,  
Las Vegas

**Above Ground Level  
Regional Conference**  
June 19,  
National Harbor, Maryland

**Northeast DAS Social**  
July 16,  
Boston



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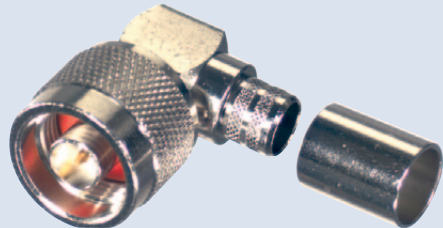
# Your Source for N Male Connectors for LMR<sup>®</sup>-400 and Equivalent Cable

*LMR is a registered trademark of Times Microwave Systems*

RF INDUSTRIES MAINTAINS one of the largest inventories of N male connectors for Times Microwave LMR<sup>®</sup>-400 and equivalent cable in North America. They are always available for quick shipping to you and your customers. Contact our Sales Department to discuss the style that best fits your needs.



*RFN-1006-4I  
No braid trim  
white bronze (tri-metal) plated*



*RFN-1009-3I (silver plated)  
RFN-1009-1 (nickel plated)  
RFN-1009-99  
(nickel plated, alternate design)*

## Available:

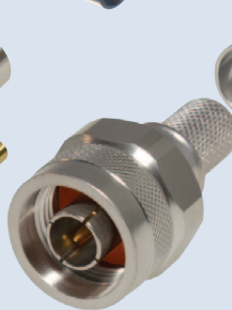
- Crimp and clamp style attachment
- Straight and right angle
- Silver, nickel, white bronze (tri-metal) plating
- Male and female
- Standard and reverse polarity
- Standard assembly or captive pin
- For plenum cable
- Shells with hex nut, knurling or both
- Pin with 15 micro-inch gold plating



*RFN-1002-1SI  
(silver plated)*



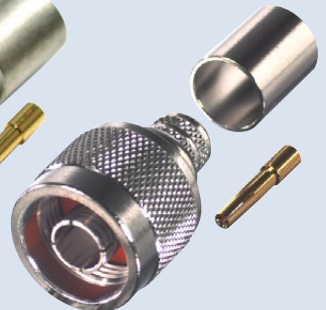
*Standard Crimp  
RFN-1006-3I (silver plated)  
RFN-1006-1 (nickel plated)  
RFN-1006-1-15 (nickel plated,  
extra gold plating on pin)*



*Quick Crimp  
RFN-1006-49I  
(white bronze plated)*



*Alternate Design  
RFN-1006-1-WB  
(white bronze plated)*



*Reverse Polarity  
RP-1006-3I (nickel plated)*

## Female Connectors



*RFN-1028-1 (nickel plated)  
RFN-1028-SI (silver plated)*



*RFN-1024-1SI  
(silver plated)*



*Reverse Polarity  
RP-1028-1  
(nickel plated)*



*RFN-1006-12 (nickel plated)  
RFN-1006-3I2 (silver plated)*



*RFN-1028-12 (nickel plated)  
RFN-1028-SI2 (silver plated)*

## Connectors for LMR<sup>®</sup>-400-LLPL Plenum Cable

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858-549-6340

800-233-1728

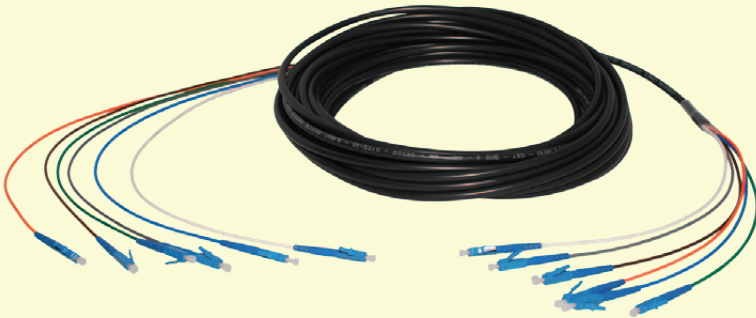
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## Fiber Optic Trunk Cables, Cost-effective Solution for Wireless Infrastructure Applications



- *Fast installation*
- *Reduced labor cost*
- *Speedy delivery*
- *Factory terminated by Corning Certified technicians to ensure performance*

FIBER OPTIC CABLE ASSEMBLIES are increasingly installed in wireless infrastructure applications, replacing copper with fiber to the antenna. RF Industries provides factory terminated fiber optic trunk cables using Corning FREEDM™ One fiber trunk cable. Available with 6 strand single mode or multi-mode, 12, 24, or 36 strand single mode configurations, the trunk cables are flame-retardant, UV-resistant and can be used for indoor, outdoor, or direct burial applications.

Fiber optic trunk cables are terminated with Corning brand LC or SC connectors with 2 meter fanouts in standard or custom lengths by Cables Unlimited of Long Island New York, a division of RF industries. Cables Unlimited is a Corning Gold House member, an elite group with the highest production and quality standards, having demonstrated manufacturing and business excellence over many years.

What wireless technology for mobile devices that we take for granted today celebrates its 25th anniversary this year?

