



Quick
delivery



Quality
assurance

From Reel to Rack™



Plenum Rated, low PIM cable assemblies for DAS applications available from stock

RF Industries manufactures low PIM, plenum rated jumpers with **Times Microwave SPP-250-LLPL™** and **TFT-402-LF cable**, terminated with RF Industries brand connectors. 1 and 2 meter assemblies are available from distribution and factory stock to support your DAS projects. Our extensive inventory of connectors and cable allows fast delivery of custom lengths. Cables are terminated with N-type, 7-16 DIN, 4.1-9.5 (Mini) DIN, SMA and QMA connectors. These assemblies are also available with Times Microwave brand connectors.



Cable Assembly Features:

- Better than -155dBc PIM rating
- 100% static and dynamic PIM tested and verified with printed graph
- UL/CA plenum listed with reference file #E-170516, type CMP, to UL Standard 910
- Superflexible corrugated outer conductor with 100% shielding
- Excellent electrical performance up to 6.0 GHz
- All cables 100% PIM tested

TIMES MICROWAVE SYSTEMS **TFT-402-LF**
An Amplifier Company
Operating Frequency up to 3 GHz

TIMES MICROWAVE SYSTEMS **SPP-250-LLPL™**
An Amplifier Company
Operating Frequency up to 6 GHz

7-16 DIN

4.1-9.5 (Mini) DIN

N Type

SMA

QMA

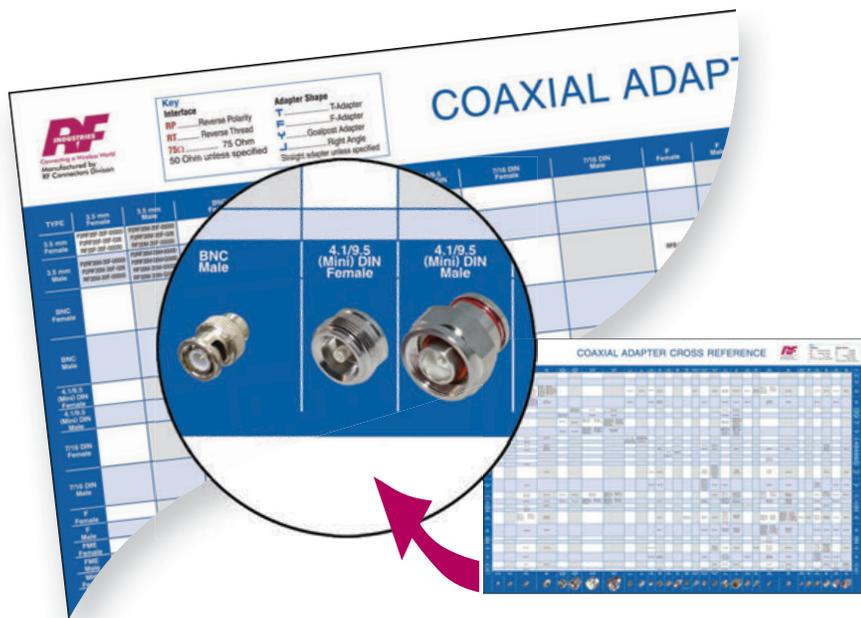
7-16 DIN

4.1-9.5 (Mini) DIN

N Type



Coaxial Adapter Identification Poster Provides Quick Visual Aid



RF Industries manufactures and stocks a wide variety of coaxial adapters for you and your customers. To help you find the adapter you need quickly, we've printed a convenient 3x2 foot wall chart with part numbers and interface photos. Post on your sales office wall for easy reference.

Contact us and we'll ship you as many posters as you'd like or we'll ship direct to your customers.



Contact us for your wall chart.
We'll ship it to you ASAP.

Precision High Frequency SSMA Connector Operates in High Vibration Applications

A military aerospace manufacturer with a custom antenna design required an RF coaxial connector that would perform in a high vibration environment. The connector's mechanical requirements included termination onto .085 inch semi-rigid cable, chassis mounting and SSMA interface. The electrical requirements included operating frequency up to 26 Ghz. A standard chassis mount SSMA connector would meet the basis requirements, however would not perform in a high vibration environment.

Our Aviel Electronics division's design team developed a custom connector with a floating body and pin design that allows both axial and radial movement while maintaining excellent electrical performance to 26 Ghz. To meet the high vibration application, the pin movement is independent of the body. Custom spring of Elgiloy Cobalt-Chromium-nickel non-magnetic alloy were designed and utilized for the body and contact movements. The body components are manufactured of machined 303 stainless steel and the contact of beryllium copper with MIL-STD gold plating. All aspects of the design, manufacture and testing were performed in the United States to comply with the customer's sourcing requirements.

Contact Hanh Luong at (877) 805-7381 or aviel@rfindustries.com with your custom needs.



AVIEL
ELECTRONICS
Division of RF Industries

Trivia Question



What milestone in wireless communication took place 100 years ago?

New Low PIM Adapters Support Your DAS Systems

RF Industries introduces low PIM adapter, quick mate QMA to N



RQA-5478

QMA connectors feature a snap lock connection as an alternative to the SMA connector with a threaded connection. The QMA connector, with its quick connect/disconnect feature and excellent electrical performance up to 6 GHz,

is used in wireless infrastructure applications including DAS (Distributed Antenna Systems).

The RQA-5478 between series adapter features a QMA female to N male interface that enables connection of a QMA male terminated cable assemble to equipment with an N female connector. The adapter is manufactured with a machined brass body, plated in a durable tri-metal (white-bronze) finish. The contact is gold plated. This adapter is rated for low PIM performance of ≤ -155 dBc using 2 tones at 20 watts.

Female-to-Female low PIM 4.1-9.5 (Mini) DIN adapter now in stock



RFD-4195-1953

The 4.1-9.5 (Mini) DIN connector interface has been used in wireless infrastructure and DAS (Distributed Antenna Systems) applications. Essentially a compact version of the 7-16 DIN connector interface, the 4.1-9.5 (Mini) DIN offers good electrical performance and low PIM (Passive Intermodulation).

RF Industries introduces the 4.1-9.5 (Mini) DIN female-to-female "barrel" adapter, part number RFD-4195-1953. The adapter is manufactured with machine brass body, plated in a durable tri-metal (white-bronze) finish with a PIM rating of less than or equal to -160 dBc using 2 tones at 20 watts.

In addition to the female-to-female adapter, RF Industries offers two other 4.1-9.5 (Mini) DIN in-series and eight between-series adapters to N and 7-16 DIN interfaces.

7-Piece (Mini) DIN Adapter Kits contain new female adapter

RF Industries now offers a total of four 4.1-9.5 (Mini) DIN adapter kits that house the most commonly used adapters.



(Mini) DIN to N
RFA-4195-03



(Mini) DIN to 7-16 DIN
RFA-4195-04



In stock



Ready to ship



Design
services

RF Industries Reduces Lead Times for High Reliability Cabling Harness for Major Rail Transportation Company

A manufacturer of locomotives for rail transportation systems issued an RFQ along with prints of a custom wire harness for power and data. The components and recommended suppliers on the customer's bill of materials had an excessively long lead time, well outside of the customer's required delivery dates. Moreover, the customer required a partial manufactured assembly with preparations for final assembly in the field.

RF Industries Multi-Conductor Group was selected as the supplier because of their experience in manufacturing cable assemblies in accordance with IPM/WHMA-A-620 Class 3 Standard, producing high performance electronic products. Their procurement team was also able to source, recommend and coordinated component substitutions with the customer, thereby reducing the delivery lead-time by over 10 weeks.



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- Confidential Projects Accepted
- Data Center Cables of Highest Quality
- Corning Gold House Certified

Contact Craig Catalano of our Cables Unlimited Division at (800) 590-9965 or quotes@cables-unlimited.com with your custom needs.



Division of RF Industries

CORNING | CAH ConnectionsSM Gold Program

Trivia Answer

Wireless Giant of the Pacific: 100 Years of Maritime Radio in West Marin



www.Shutterstock.com image

Guglielmo Marconi (1874-1937), inventor of wireless radio, constructed powerful Pacific coast stations in Bolinas and Marshall in 1914 to connect his round-the-world services across the Pacific. After WWI the Radio Corporation of America obtained the sites and commercial maritime radio services continued until 1997. Today the historic stations are part of Point Reyes National Seashore partnering with the Maritime Radio Historical Society to keep the legacy alive.

Text courtesy of the National Park service, www.nps.gov

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

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HetNet Expo
October 15-16, Chicago



Northeast DAS Training and Social
October 22, Washington DC



Above Ground Level Regional Conference
December 4-5, Glendale, AZ