

The new Radiall N series has been developed using the latest advances in connector design. These connectors are easy-to-use, highly reliable, innovative and are designed to meet the needs of the Telecommunications market. The complete series features the following main news :

- extensive range, with optimized piece parts design, including full crimp models
- upgraded cross-knurled coupling nut allowing for better manual tightening
- standard plating finish : BBR (Bright Bronze Radiall) = high performance non magnetic alloy.

• A WIDE STANDARD RANGE

More than 75 new models : receptacles, cable connectors, COAXI-KIT models, and adapters (including Push-on interface)...

A proven technology for one of the most popular connector design in the world.

• MANY FULL CRIMP MODELS

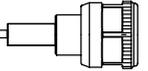
A fast and reliable attachment system that can be easily achieved in a field environment, with minimum easy-to-use tooling (including models for 2 and 2.6 mm dia cables). All our full crimp connectors are single piece body.



• LOW INTERMODULATION CONNECTORS

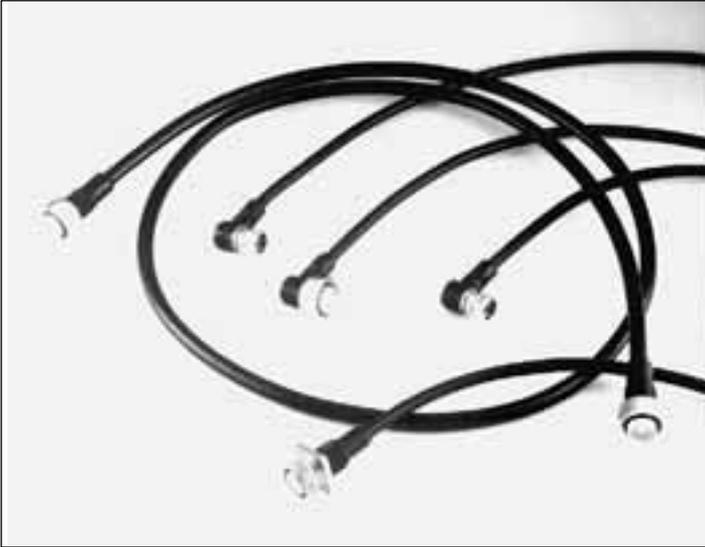
Radiall maintains extensive knowledge in this field and has developed N series connectors that are specially designed for base stations of radiotelephone digital cellular networks where the elimination of intermodulation products is of the utmost importance :

- optimized for 900 - 1800 MHz bands (and able to work up to 11 GHz like the standard models)
- IMP₃ performance = -110 dBm (- 153 dBc).
- new models for corrugated and low loss flexible cables
- high performance non magnetic materials and platings (silver and BBR)
- new 6 flats coupling nut (18 mm), allowing high coupling torque (170 Ncm) thanks to torque wrench.
- non slotted outer contact.



- **VERY LOW INTERMODULATION CABLE ASSEMBLIES**

For severe intermodulation conditions, we propose a range of low intermodulation cable assemblies $IMP_3 \leq -125$ dBm (see p. 40). For IM sensitive applications.



- **COMPLETE COAXI-KIT RANGE**

(see p. 25)

This new product family offers a complete choice of heads and tips. The combination of a reduced number of P/N allows to obtain :

- either straight or right-angle plugs (6 flat nut), flange and bulkhead jacks
- either crimp or clamp attachment types
- For flexible cable 5 S, 5 D, 10 S, 11 D
- For corrugated cable 1/4 " , 3/8 " , 1/2 "



- **CUSTOM MODELS**

Designed to fulfil customer requirements according to the N series standard. Radiall fully masterizes the complete designing of custom connectors (example shown : straight plug flange type).



New Radiall N series benefits from a complete line of accessories, such as : adapters (in-series and between series), tees, caps and easy-to-use complete range of tooling.

Radiall also proposes a complete range of **MICROWAVE COMPONENTS** : TERMINATIONS, ATTENUATORS, COUPLERS, etc. - all designed around the N and 7/16 series interface.

For further details, please read our

- INTERMODULATION APPLICATION GUIDE (*D1 032 DE*)
- BBR PLATING APPLICATION GUIDE (*D1 030 DE*)

IMPORTANT : the 50 Ω and the 75 Ω connectors are **NOT INTERMATEABLE**, under pain of interface destruction