

# RF Coaxial Connectors

**FOR**  
**3G/3.5G**



**CRC9**



**TS-9**



**SMA** connectors are semi-precision, subminiature devices that provide repeatable electrical performance from DC to 12.4 GHz with flexible cable. These devices offer broadband performance with low reflection and constant 50 ohm impedance. These properties, along with minimum attenuation and low VSWR have made the SMA extremely popular in the microwave community.



**SMB** connectors are semi-precision, subminiature devices that provide repeatable electrical performance DC to 4 GHz. The SMB family of connectors provides a means of a quick-connect and disconnect through a snap-on type coupling and utilizes die cast components on non-critical areas to provide a low-cost solution. It's available in 50  $\Omega$  and 75  $\Omega$  impedance.,



**MMCX** Micro-miniature connectors are designed with a 50 ohm characteristic impedance and were developed for applications which require smallest dimensions. MMCX connectors can be used fro DC up to 6GHz and higher. The locking consists of a snap-on mechanism. The major application for MMCX series connectors are PCMCIA cards & other small hand-held communication devices.



**MCX** micro miniature connectors provide repeatable performance from DC to 6 GHz. The designs of these devices have taken into consideration the need for size reduction, low weight, durability and reliable performance. The outer diameter of the plug is .140 inches, which is 30% smaller than the SMB. This series provides designers with options where weight and physical space are limited. MCX provides broadband capability though 6 GHz with a snap-on connector design. A range of connectors are available, including printed circuit board and cable connectors.



**MC-card** options where weight and physical space are limited. MCX provides broadband capability through 6 GHz with a snap-on connector design. A range of connectors are available, including printed circuit board and cable connectors.



**N Series** coaxial connectors are medium-sized, threaded coupling connectors designed for use from DC to 11 GHz. Their consistently low broadband VSWR have made them popular over the years in many applications. The N series connector is impedance matched to 50 ohm cables.



**BNC** coaxial connectors are miniature, light-weight and can operate satisfactorily up to 11 GHz. The BNC is typically used in applications from DC to 4 GHz and yield low reflection in this frequency range and available for 50  $\Omega$  and 75  $\Omega$  performance



**TNC** series connectors are designed as a threaded version of the BNC, the TNC series features screw threads for mating. TNC are miniature, threaded weatherproof units with constant 50  $\Omega$  impedance and they operate from 0 - 11 GHz.



**MINI UHF** coaxial connectors are designed for use in applications from DC to 2.5 GHz where size, weight and cost elements are crucial. The miniature 3/8"-24 thread size connectors provide excellent RF performance and are impedance matched to 50 ohm cable. Crimp, Twist-on and solder terminations are available with the mini-UHF series.



**UHF** coaxial connectors were one of the first RF connector series to be developed. They are a general purpose, non-constant impedance connector which operates in low frequency systems from DC to 300 MHz. Invented for use in the radio industry, UHF is an acronym for Ultra High Frequency because at the time 300 MHz was considered high frequency.



**FME** connectors are used for mobile, communications, antenna applications and can be adapted for either UHF, Mini-UHF, TNC, BNC and N connector interfaces using BSA adapters.

## Adapter



Used to join two incompatible connector interfaces. In Series Adapters have two different interfaces within the same connector series, while Between Series adapters have interfaces from different connector series. A broad line of adapters are offered covering all the major series to provide our customers with maximum flexibility.

# Cable Assembly

## IPEX / U.FL / GSC



IPEX/U.FL+ SMA

IPEX/U.FL+ TNC

IPEX/U.FL+ N

## FOR 3G/3.5G/3.75G/4G

SMA+CRC9

SMA+TS-9

SMA+SSMB

SMA+MC CARD



## SMA/RP SMA

SMA/RP SMA+MMCX

SMA+MMCX/RP MMCX

SMA/RP SMA+MCX

SMA+MCX/RP MCX

SMA/RP SMA+SMA/RP SMA

SMA+SMA

SMA/RP SMA+N

SMA+N

SMA/RP SMA+TNC/RP

SMA+TNC



## MMCX to

MMCX/RP MMCX+N



## N to

N+N

N+IPEX

N+TNC/RP TNC



MC-CARD + N

MC-CARD to

For 3G/3.5G/3.75G/4G

TS9 / CRC9 / SSMB / MC-CARD cable assembly suit for below 3G/3.5G wireless data card.

※Patented product※



We are the specialized of the manufacture cable assemblies has own machines to making all kinds of RF coaxial cable assemblies.

# Cable



LLC 100 cable

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LLC 200 cable

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LLC 240 cable

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LLC 400 cable

## Accessories



### Heat Shrink Tube $\Phi 3$

For Cables RG174U/316U/LMR100

[View](#) [Customer Drawing \$\Phi 3\(1.5\text{cm}\)\$](#)

[View](#) [Customer Drawing \$\Phi 3\(2.0\text{cm}\)\$](#)



### Heat Shrink Tube $\Phi 6$

For Cables RG58U/RG223U/RG400/LLC200/LMR200

[View](#) [Customer Drawing \$\Phi 6\(2.5\text{cm}\)\$](#)



### Heat Shrink Tube $\Phi 16$ & $\Phi 20$

For Cables RG213U/LLC400/LMR400

[View](#) [Customer Drawing \$\Phi 20\(5\text{cm}\)\$](#)

[View](#) [Customer Drawing \$\Phi 16\(3.5\text{cm}\)\$](#)