

# HIGH PERFORMANCE RF INTERCONNECT FOR 5G WIRELESS CONNECTIVITY



Amphenol RF leads the industry in the design and development of high performance RF interconnect for 5G wireless applications from the infrastructure to the device. With a broad portfolio of low PIM, high frequency and board-to-board products, our global engineering team provides critical solutions for next generation designs. These products are engineered to meet the high bandwidth, low latency requirements that are necessary to support 5G infrastructure and devices.

## APPLICATIONS

- Base Station Antennas
- MIMO Antennas
- Small Cells
- Distributed Antenna Systems
- Wireless Backhaul
- Fixed Wireless Broadband
- Mobile Devices
- Massive IoT
- Critical Communications
- Wireless Modules

## OUR CORE COMPETENCIES

- Low PIM products
- Waterproof IP67/68 sealed and ruggedized solutions
- Quick mating and quick disconnect RF connectors
- Customized hybrid solutions supporting RF, signal and power
- Blindmate and board-to-board connector systems
- Custom cable assemblies and sub-systems

## PRODUCTS



- **AMC/AMC4/AMMC 50 Ohm**
- **BNC 50 & 75 Ohm**
- **HD-BNC 50 & 75 Ohm**
- **HD-EFI 50 Ohm**
- **MCX 50 & 75 Ohm**
- **MMCX 50 Ohm**
- **N-Type 50 Ohm**
- **Nex 10 50 Ohm**



- PSMP 50 Ohm
- QMA 50 Ohm
- SMA 50 Ohm
- SMP 50 Ohm
- SMPM 50 Ohm
- 2.2-5 50 Ohm
- 4.3-10 50 Ohm
- 7-16 50 Ohm

LOW PIM OPTIONS AVAILABLE

PIM, or Passive Intermodulation, refers to interfering signals that diminish the performance of wireless networks. Amphenol RF offers a variety of options that support applications with require low PIM performance.

## 5G WIRELESS APPLICATIONS

SERIES	IMPEDANCE											
		BASE STATION ANTENNAS	MIMO ANTENNAS	SMALL CELLS	DISTRIBUTED ANTENNA SYSTEMS	WIRELESS BACKHAUL	FIXED WIRELESS BROADBAND	MOBILE DEVICES	WORKS	MASSIVE IOT	CRITICAL COMMUNICATIONS	WIRELESS MODULES
AFI	50 & 75 Ohm	●	●	●	●	●	●					
AMC	50 Ohm						●	●	●	●	●	
AMC4	50 Ohm						●	●	●	●	●	
AMMC	50 Ohm						●	●	●	●	●	
BNC	50 & 75 Ohm								●	●		
HD-BNC	50 Ohm								●	●		
HD-EFI	50 Ohm	●	●	●	●	●	●					
MCX	50 & 75 Ohm						●	●	●	●	●	
MMCX	50 Ohm						●	●	●	●	●	
N-TYPE	50 Ohm	●	●	●	●	●	●		●	●		
NEX 10	50 Ohm	●	●	●	●	●	●					
PSMP	50 Ohm	●	●	●	●	●	●					
QMA	50 Ohm	●	●	●	●	●	●					
SMA	50 Ohm	●	●	●	●	●	●	●	●	●	●	
SMP	50 Ohm	●	●	●	●	●	●					
SMPM	50 Ohm	●	●	●	●	●	●					
2.2-5	50 Ohm	●	●	●	●	●	●					
4.3-10	50 Ohm	●	●	●	●	●	●					
7-16	75 Ohm	●	●	●	●	●	●					

● Low PIM options available

### ALSO OFFERING

#### FIXED LENGTH CABLE ASSEMBLIES

Pre-configured cable assemblies featuring common connector and cable configurations available in standard lengths.



#### ADAPTERS

Designed for applications requiring two RF interfaces (between-series or in-series) to be connected together.

