

# RF Custom Cable Assembly Solutions >

Molex RF Custom Cable Assembly Solutions deliver custom innovations per customers' needs with superior support and service throughout the design process

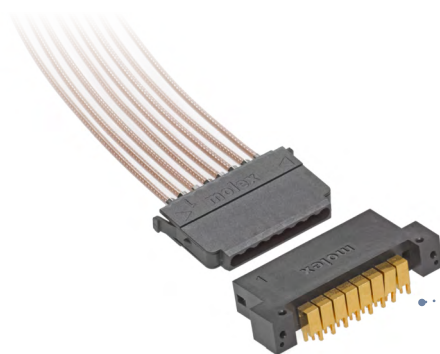


## FEATURES AND ADVANTAGES

### CABLE ASSEMBLY SOLUTIONS

Designs can accommodate standard RG braided cables, micro coax, semi-rigid cable, vendor-specific custom cables, LMR types and hand conformable cable solutions	Meets a wide range of customer needs
Wide range of coaxial cable options and interfaces	Provide standard products or custom configurations to meet customer's specifications from micro coaxial to semi-rigid
Non-magnetic version available	Ideal for medical applications
50- and 75-Ohm styles	Cover broad range of wireless applications

### MULTI-PORT AND GANGED CABLE ASSEMBLIES



**Robust outer nylon shell that can withstand 500 mating cycles and securely support cable weight**

Prevents damage. Withstands up to 500 mating cycles. Securely supports cable weight.

**Increased port density**

Offers up to 32 ports on a single interface block, easing space constraints and freeing up PCB real estate

Designed to protect against damage when mating multiple connections at once	These features, which include guide pins, blind-mate contacts, strain relief and rugged outer housings, mitigate radial and axial misalignment common in modular applications
Alternate materials and processes	Produced with a broader range of materials and manufacturing methods than individual connectors. Blocks can be produced with metal injection molding (MIM) in high volumes, decreasing both production costs and time
Non-magnetic versions available	Provides relative permittivity close to 1.0 and high signal-to-noise ratio (SNR) for imaging systems in medical and aerospace applications requiring non-magnetic solutions

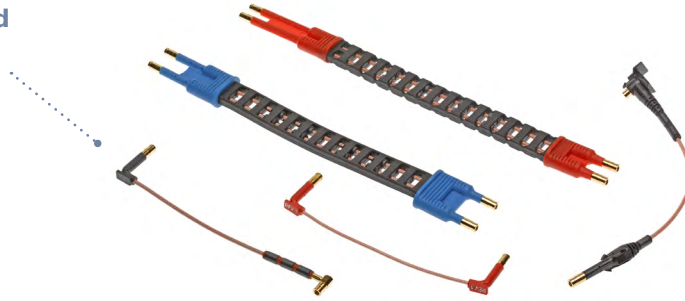
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## FEATURES AND ADVANTAGES

### OVERMOLD CABLE ASSEMBLIES

#### Strain relief, improved pull strength and flexible support

Provides enhanced durability and increased protection against the elements



**Custom designs, including shapes, colors, and configurations**  
Meets our customers highest esthetic standards

## MARKETS AND APPLICATIONS

### Consumer

Wireless devices

### Data Center Solutions

Wireless—local area networks (LAN)  
Wireless—personal area networks (PAN) (Bluetooth)  
Wireless—wide-area networks (WAN)

### Telecommunications/Networking

Wireless antennas  
Network interfaces  
Telecom boxes  
Telecommunication networks  
Wireless base Stations  
Wireless LANs (WLANs)  
Wireless antennas

### Medical

Patient monitoring devices



*Data Center*



*Medical Device*



*Base Station*

[www.molex.com/link/rfcustomcables.html](http://www.molex.com/link/rfcustomcables.html)