# Amphenol<sup>®</sup>Connex A New Kind of RF Solution

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|--|-----------------------------------|--------------------|--|---|--|---|--|---|
| Our Produ  | cts                               | Search Resu        | Ilts for: Right                              | Angle 2-Piec                                    | e Crimp Plug   |   |  |   |
| <u>7/16</u><br><u>BNC</u>  |                                   | Please note:       | Images are fo                                | r reference o                                   | only   |   |  |   |
| D-Sub<br>FME<br>MCX<br>MMCX<br>SMA<br>SMB<br>SMC<br>TNC<br>Twin BNC              |                                   | Image<br>Unavailal | ble Famil<br>Conne<br>Produ<br>Descr<br>Plug | ectors<br>I <b>ct Type:</b> Mil<br>Iption: Righ | 325<br>IF/Mini-UHF Co<br>NI-UHF SERIES<br>t Angle 2-Piece<br>316/B7805A ** | Daxial Fi<br>In:<br>S In:<br>Crimp Cr<br>Re | able Group:<br>nish: Nickel<br>sulation: De<br>pedance: 5<br>rimp Tool: E<br>emark Cabl                  | elrin<br>0 ohms<br>2<br>e center conductor        |
| <u>Type F</u><br><u>Type N</u><br>UHF  |                                   | Add to Cart   F    | Product Specs                                | Customer Dra                                    | awing  |   |  |   |
| Between-Serie<br>Shielded Term<br>Strain-Relief E<br>Tools<br><br>View All Produ | es Adapters<br>ninations<br>Boots | Image<br>Unavailal | Famil<br>Produ<br>Conne<br>Descr<br>Plug     | ectors<br>iption: Right                         | 0_0  | Fi<br>baxial In<br>Im<br>Crimp Cr<br>Re     | able Group:<br>nish: Nickel<br>sulation: De<br>pedance: 5<br>rimp Tool: E<br>emark Cabl<br>Idered to pir | elrin<br>0 ohms<br><u>8</u><br>e center conductor |

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## Amphenol<sup>®</sup>Connex

A New Kind of RF Solution

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### UHF connector series

#### Features & Benefits | Applications | Specs | Assembly Instructions

Invented in the 1930's by an Amphenol engineer named E. Clark Quackenbush, UHF coaxial connectors are general purpose units developed for use in low frequency systems from 0.6 - 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.

UHF connectors feature a threaded coupling. Because these connectors are

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#### **UHF/Mini-UHF Coaxial Connectors**

low-cost, the impedance is variable.

| UHF SERIES                                      |
|---|
| Straight Crimp Plug                             |
| Straight FCP Plug                               |
| Straight Solder Plug - Ug Standard, PL-259 Type |
| Reducing Adapter                                |
| Straight Crimp Jack                             |
| Panel Crimp Jack                                |
| Panel Receptacle                                |
| Bulkhead Receptacle                             |
| Jack-To-Jack Adapter                            |
| Jack-To-Jack Adapter                            |
|   |

#### MINI-UHF SERIES

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Mini-UHF Terminator Plug Right Angle 2-Piece Crimp Plug Straight 3-Piece Crimp Plug - Captive Contact Straight 3-Piece Crimp Jack Bulkhead Crimp Jack Bulkhead Receptacle Jack - Rear Mount

#### Features & Benefits

- Optional reducing adapters accommodate a wide range of popular coaxial cables
- Solder termination types require no special assembly tools
- Crimp termination types provide a lower cost installation method
- Large-size threaded coupling is rugged design
- Non-demanding specifications and low cost

#### Applications

Antennas

- Cable Assembly
- Low Frequency Applications

- Public Address Systems
- CB Radios

### **UHF Specifications**

| Electrical      |  |
|-----------------|--|
| Impedance       | Non-constant                             |
| Frequency Range | 0 - 300 MHz                              |
| Voltage Rating  | 500 volts peak                           |
| Mechanical      |  |
| Mating          | 5/8-24 threaded coupling                 |
| Cable Affixment | Braid solder, set screw, clamp and crimp |

| Male Contact      | Brass with silver plating   |  |  |  |
|-------------------|---|--|--|--|
| Female Contact    | Beryllium copper with silver plating  |  |  |  |
| Bodies            | Brass and die cast zinc   |  |  |  |
| Other Metal Parts | Brass   |  |  |  |
| Plating           | Nickel and silver   |  |  |  |
| Insulators        | TFE, copolymer of styrene, polystyrene, mica-filled phenolic and PBT polyester<br>or equivalent                                     |  |  |  |
|                   |   |  |  |  |
| Environmental     |   |  |  |  |
|                   | Mica-filled phenolic insulators: -55°C to +149°CCopolymer of styrene and polystyrene: -55°C to +85°CTFE insulators: -65°C to +165°C |  |  |  |

1 back to top

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