# **Amphenol**<sup>®</sup>Connex

Family/Series: UHF/Mini-UHF Coaxial

**Description:** Mini-UHF Terminator Plug

Product Type: MINI-UHF SERIES

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Part Number: 182328

Cable: Non Applicable \*\*

Connectors

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<u>UHF</u>

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Cable Group: N/A

Insulation: Teflon

Crimp Tool: N/A

Impedance: 50 ohms

Finish: Nickel

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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 polyeste 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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