

Description

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. UHF connectors feature a threaded coupling. Because these connectors are low-cost, the impedance is variable.

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

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

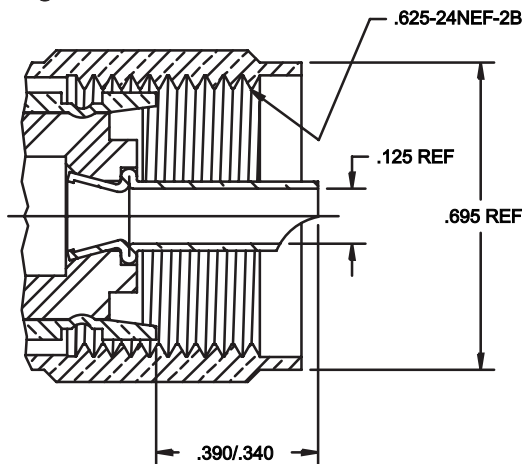
Material

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 or equivalent

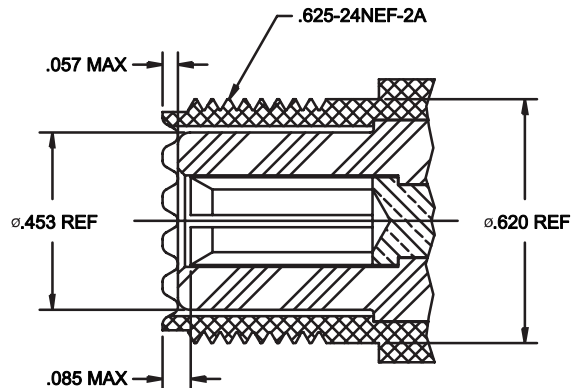
Environmental

Temperature Range	Mica-filled phenolic insulators: -55°C to +149°C Copolymer of styrene and polystyrene: -55°C to +85°C TFE Insulators: -65°C to +165°C
Weatherproof	Except as noted, all UHF series are non-weatherproof

Plug



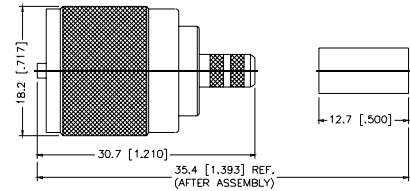
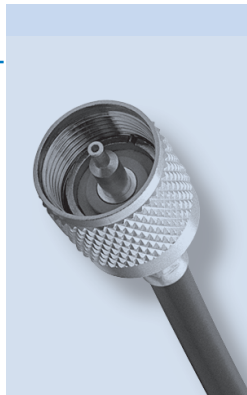
Jack



UHF Coaxial Connectors

Straight Crimp Plug - Standard Cable

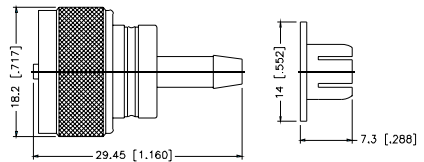
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U1121A1-NPH3G-1-50	01	Nickel	Phenolic	N/A	4
U1121A1-NT3G-1A-50	01A	Nickel	Teflon	N/A	4
U1121A1-NPH3G-3-50	03	Nickel	Phenolic	N/A	4
U1121A1-NPH3G-7-50	07	Nickel	Phenolic	N/A	6
U1121A1-NPH3G-7A-50	07A	Nickel	Phenolic	N/A	4 or 6
U1121A1-7B-50	07B	Nickel	Phenolic	N/A	4



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Straight FCP Plug - Standard Cable

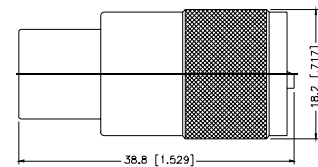
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U1161A1-NPHS-1-50	01	Nickel	Phenolic	N/A	N/A



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Straight Solder Plug - UG Standard, PL-259 Type

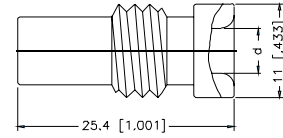
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
0S-U1181C1-NPHS-50	7,7A,7B	Nickel	Phenolic	50	N/A
U1181C1-W/SPHS-50 Silver body	7,7A,7B	Nickel	Phenolic	50	N/A
UHF1702 Silver body	N/A	Silver	Teflon	50	N/A
U1181C1-STS-20-50 for RG-217/U cable	20	Silver	Teflon	50	N/A



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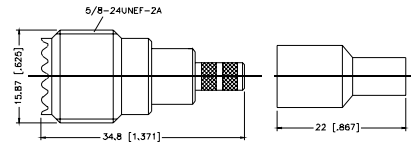
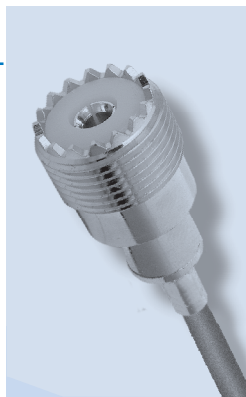
Reducing Adapter

P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U0181A1/BR=NI	01	Nickel	N/A	N/A	N/A
U0181A2/BR=NI	03	Nickel	N/A	N/A	N/A



Straight Crimp Jack - Flexible Cable

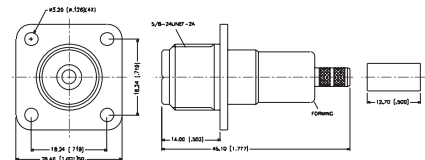
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U6111A1-ND3G-1-50	01	Nickel	delrin	50	4
U6111A2-ND3G-5-50	05	Nickel	delrin	50	3



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Panel Crimp Jack - Standard Cable

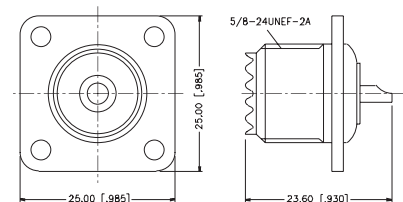
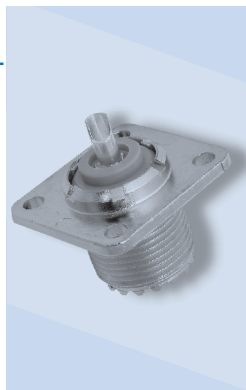
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U6251G1-NT3G-1-50	01	Nickel	Teflon	50	4
U6251G1-NT3G-7-50	07	Nickel	Teflon	50	6



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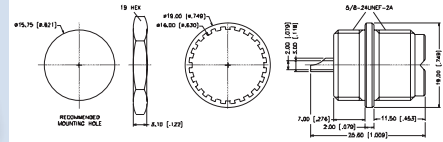
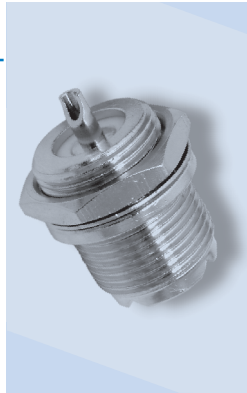
Panel Receptacle

P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U6551A1-NTT-50	N/A	Nickel	Teflon	N/A	N/A



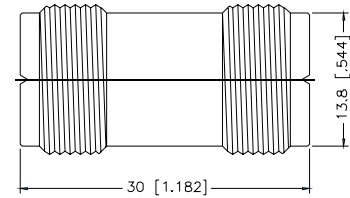
Bulkhead Receptacle

P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U6451A1-NTN	N/A	Nickel	Teflon	N/A	N/A



Jack-to-Jack Adapter

P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U7071A1-NT3G-50	N/A	Nickel	Teflon	N/A	N/A



P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
U7071A2-NT3G-50	N/A	Nickel	Teflon	N/A	N/A

