

The Amphenol UHF/MINI-UHF connectors are popular and economical, used when impedance mating is not required. General purpose units are designed to operate satisfactorily up to 500 MHz. They have a peak voltage rating of 500 volts.

Electrical Specifications

MINI-UHF Series

Impedance	50 ohm nominal
Frequency Range	0-2.5 GHz
Working Voltage	335 volts rms
Dielectric Withstanding Voltage	1000 volts rms
VSWR	1.25 max. 0-2.5 GHz
Insulation Resistance	5000 megohms (min)

UHF Series

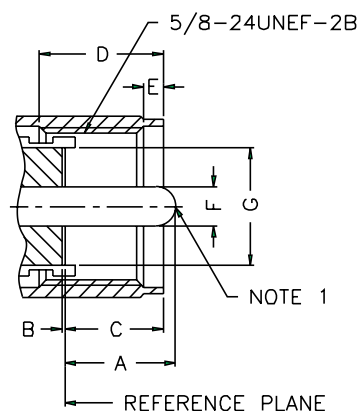
Impedance	None-constant
Frequency Range	0-500 MHz
Voltage Rating	500 volts peak

Material Specifications

Parts Name		Material	Finish
Center Contact	Male	Brass	Gold or Silver plated
	Female	Brass or Phosphor Bronze	Gold or Silver plated
Metal parts		Brass or Zinc diecast	Nickel or Silver plated
Insulators		Teflon, PBT polyester, Phenolic	None
Crimp ferrule		Annealed Copper	Nickel or Silver plated

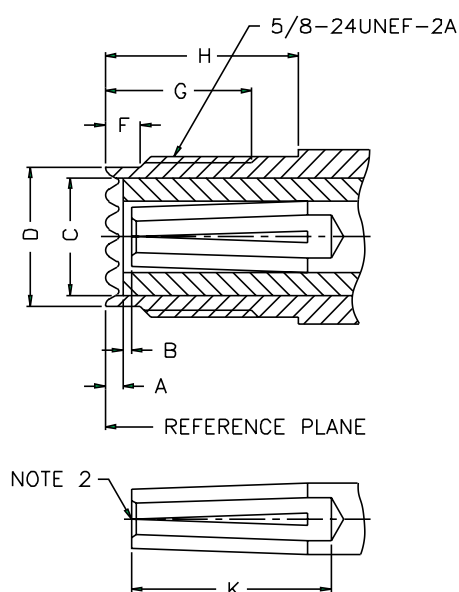
UHF/Mini-UHF Coaxial Connectors

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	-	11.10 [.437]
B	0.00	-
C	-	9.91 [.390]
D	8.76 [.345]	-
E	1.91 [.075]	4.27 [.168]
F	3.91 [.154]	4.01 [.158]
G	11.56 [.455]	12.22 [.481]



Jack

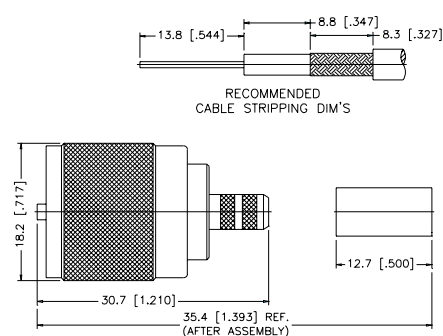
Letter	Millimeters [Inches]	
	Minimum	Maximum
A	1.02 [.040]	-
B	0.03 [.001]	-
C	11.56 [.455]	12.22 [.481]
D	-	14.25 [.561]
F	1.19 [.047]	1.96 [.077]
G	7.87 [.310]	-
H	11.10 [.437]	-
K	11.76 [.463]	-

All connector bodies, unless otherwise noted, are nickel plated.
All contacts are silver plated 100μ"; gold contacts 3μ" or tin lead plate contacts are also available.
All insulators, unless otherwise noted, are phenolic. Silver plating is available for all bodies. Please contact Amphenol for samples and quotes.
All dimensions are shown in millimeters [inches].

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Standard Cable

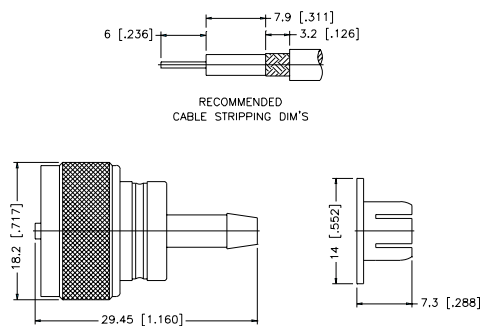
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1121A1-NPH3G-1-50	01	Nickel	Phenolic	N/A	4
U1121A1-NT3G-1A-50	01A	Nickel	Teflon	N/A	4
U1121A1-NPH3G-3-50	03	Nickel	Phenolic	N/A	4
U1121A1-NPH3G-7-50	07	Nickel	Phenolic	N/A	6
U1121A1-NPH3G-7A-50	07A	Nickel	Phenolic	N/A	4 or 6
U1121A1-7B-50	07B	Nickel	Phenolic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



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Straight FCP Plug - Standard Cable

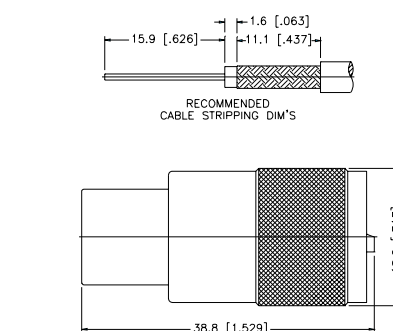
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1161A1-NPHS-1-50	01	Nickel	Phenolic	N/A	N/A



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Straight Solder Plug - UG Standard, PL-259 Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-U1181C1-NPHS-50	7,7A,7B	Nickel	Phenolic	50	N/A
U1181C1-N/SPHS-50	7,7A,7B	Nickel	Phenolic	50	N/A
Silver body					
UHF1702	N/A	Silver	Teflon	50	N/A
OS-UHF1703	N/A	Nickel	Teflon	50	N/A
Silver body					
U1181C1-STS-20-50	20	Silver	Teflon	50	N/A
for RG-217/U cable					

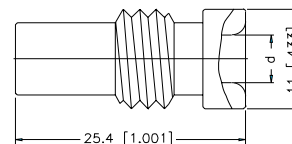
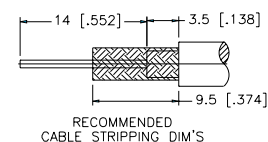


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UHF Series

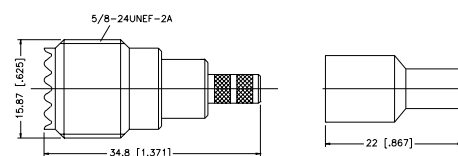
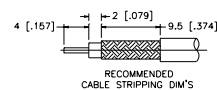
Reducing Adapter

P.N.	Cable Group	Plt.	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

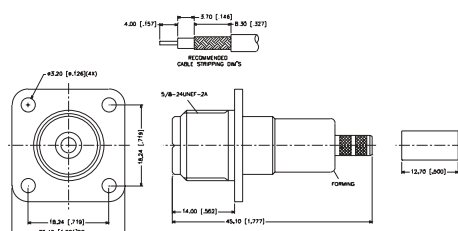
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6111A1-ND3G-1-50	01	Nickel	delrin	50	4
U6111A2-ND3G-5-50	05	Nickel	delrin	50	3



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Panel Crimp Jack - Standard Cable

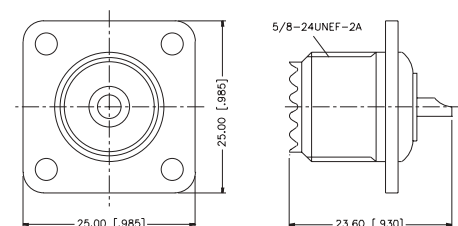
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6251G1-NT3G-1-50	01	Nickel	Teflon	50	4
U6251G1-NT3G-7-50	07	Nickel	Teflon	50	6



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Panel Receptacle

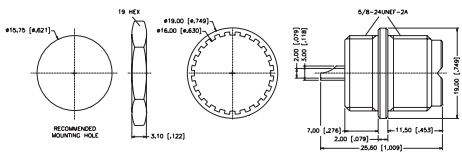
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6551A1-NTT-50	N/A	Nickel	Teflon	N/A	N/A



UHF Series

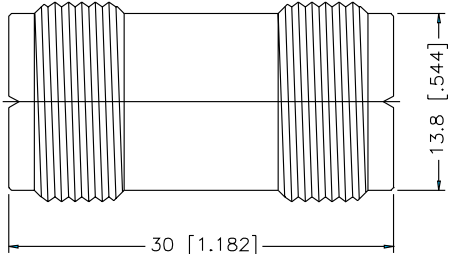
Bulkhead Receptacle

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

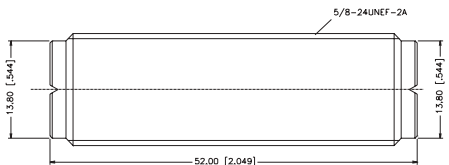


Jack-to-Jack Adapter

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



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

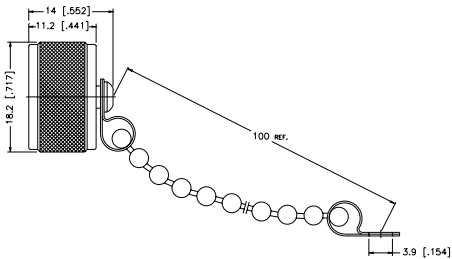


Accessories

UHF Male Cap & Chain

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1005A1-N	N/A	Nickel	N/A	N/A	N/A

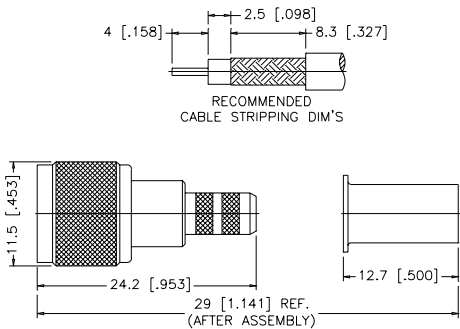
Remark: Chain length 100 [3.94]



Mini-UHF Series

Straight 3-Piece Crimp Plug - Captive contact - flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU1121A1-NT3G-1-50	01	Nickel	Teflon	50	4
MU1121D1-ND3G-1-50	01	Nickel	Delrin	50	4
2 PC Crimp					
MU1121A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
MU1121A1-NT3G-1B-50	01B	Nickel	Teflon	50	3
MU1121A1-NT3G-3-50	03	Nickel	Teflon	50	3
MU1121A1-NT3G-5-50	05	Nickel	Teflon	50	1
MU1121A1-NT3G-05A-50	05A	Nickel	Teflon	50	2
MU1121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
MU1121A1-NT3G-14-50	14	Nickel	Teflon	50	4

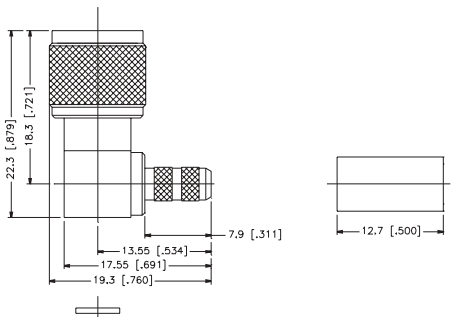


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Right Angle 2-Piece Crimp Plug - Flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU1112A1-NT3G-1-50	01	Nickel	Teflon	50	4
MU1112A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
MU1112A2-NT3G-5-50	05	Nickel	Teflon	50	3
MU1112A2-NT3G-5A-50	05A	Nickel	Teflon	50	2
MU1112A3-NT3G-7B-50	07B	Nickel	Teflon	50	4

Remark: Cable center conductor soldered to pin directly

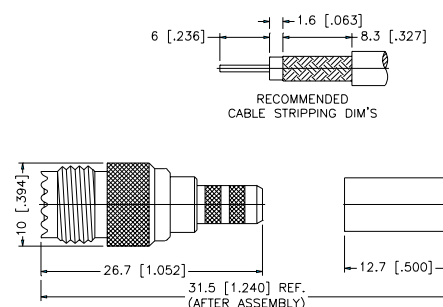


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Mini-UHF Series

Right Angle 3-Piece Crimp Jack - Flexible cable

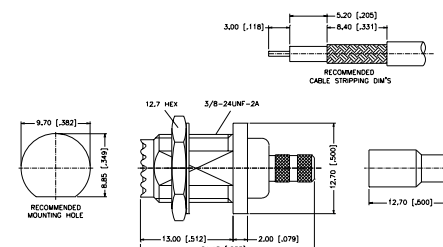
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU6121A1-NT3G-1-50	01	Nickel	Teflon	50	3
MU6121B1-ND3G-1-50	01	Nickel	Delrin	50	3
MU6121A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
MU6121A1-NT3G-3-50	03	Nickel	Teflon	50	4
MU6121F1-ND3G-5-50	05	Nickel	Delrin	50	1
MU6121F1-ND3G-5A-50	05A	Nickel	Delrin	50	2
MU6121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4



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Bulkhead Crimp Jack - Flexible Cable

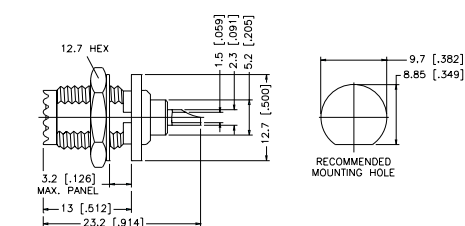
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU6421A1-NT3G-1-50	01	Nickel	Teflon	50	3
MU6421E1-NT3G-5-50	05	Nickel	Teflon	50	3



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Bulkhead Receptacle Jack - Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU6451B1-NT3G-50	N/A	Nickel	Teflon	50	N/A



Mini-UHF Terminator Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU1004A1-NT3G-50R-0.05-1W	N/A	Nickel	Teflon	50	N/A

