Connectors for 1/2" Coaxial Cable

CN-NM-F12/CN-NF-F12
CN-4M-F12/CN-4F-F12

N-type, 4.3-10 connectors for CS-F12PAR/CS-F12PAW, 1/2" Plenum rated Coaxial Cable

Electrical Specifications

Product Model	CN-NM-F12	CN-NF-F12	CN-4M-F12	CN-4F-F12
Connector type	N-Male	N-Female	4.3-10 Male	4.3-10 Female
Frequency (MHz)	DC-6000			
Impedance (ohm)	50.0			
Inner Conductor Contact Resistance (mΩ)	≤1			
Outer Conductor Contact Resistance (mΩ)	≤1			
Insulation Resistance (MΩ)	≥5000			
Insulation Withstanding Voltage (V)	≥1500			
Insert Loss (dB)	≤0.05√f(GHz)			
VSWR				
DC-3.0GHz	≤ 1.150			
3.0-4.2GHz	≤ 1.20			
4.2-6.0GHz	≤ 1.25			
PIM (dBc)	≤ -161 @ 2x 43dBm (@900MHz, 2x43dBm)			

Mechanical Specifications

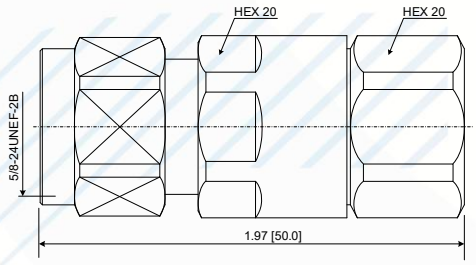
Dimension (in/ mm)	2.13x0.87x0.87 / 54.0x22.0x22.0
Weight (lb/kg)	0.18 /0.08
Shipping Dimension (in/mm)	2.76x1.57x1.57 / 70.0x40.0x40.0
Shipping Weight (lb/kg)	0.26 / 0.12
Interface Durability, number of cycles	100
Connector Type	N-type and 4.3-10type
Outer Conductor Material	Brass, Tri-alloy Plated
Inner Conductor Material	Spring Bronze, Ag Plated
Sealing	Silicone Rubber
Insulator Material	PTFE
Other	Brass, Ni Plated

Environment & Compliance

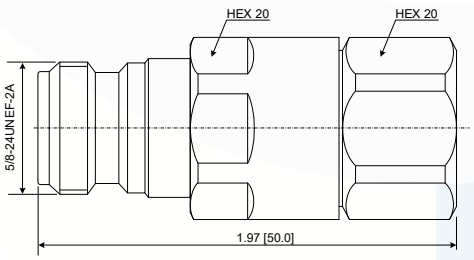
Application	Indoor / Outdoor
Operation Temperature	-40°C to +85°C
Environment	IP67
Relative Humidity	Up to 95%
RoHS	Compliant
Related Products	CS-F12PAR500 Coax
	AP-F12, Auto Preparation tool

Outline Drawing

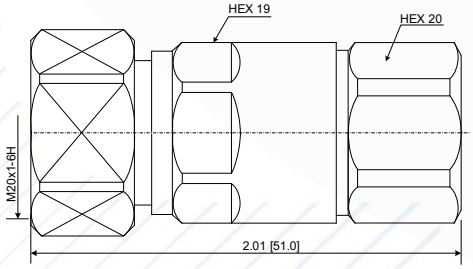
Inches [mm]



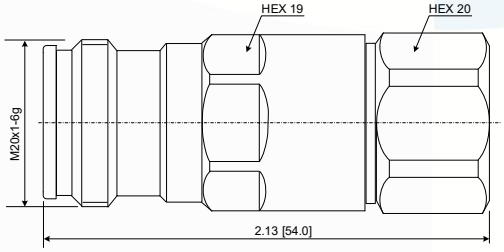
CN-NM-F12



CN-NF-F12



CN-4M-F12

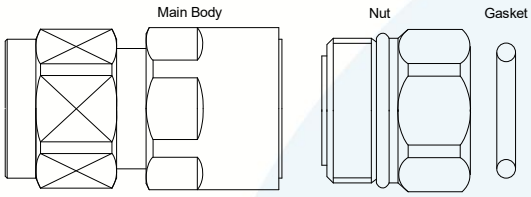


CN-4F-F12

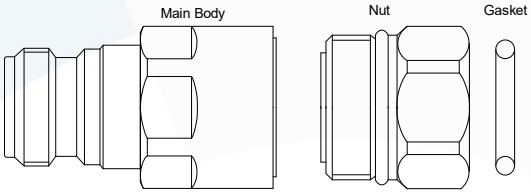
Installation Instruction

CN-NM-F12/CN-NF-F12 and CN-4M-F12/CN-4F-F12 Assembly Procedure

1. Parts



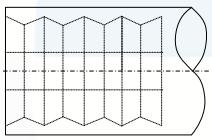
CN-NM-F12



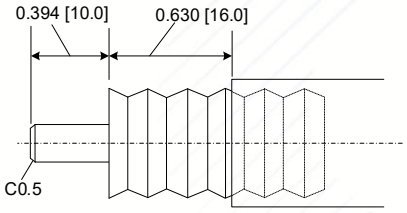
CN-NF-F12

2. Tools
Auto Preparation Tool AP-F12, 2 x HEX 20, HEX 19 wrench

3. Coaxial cable preparation

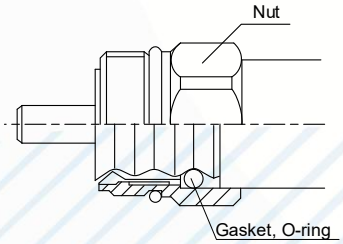


Step 1. Cut the cable as cleanly as possible. The cut should be made at the peak of the corrugation.

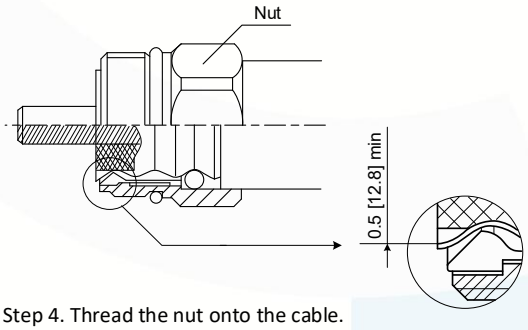


Step 2. Use the auto prep tool (AP-F12) to prepare the cable. Afterward, ensure all remaining dielectric material is completely removed.

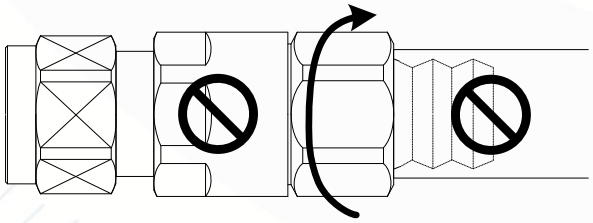
4. Connector Assembly



Step 3. Insert the gasket together with the outer conductor. Then slide the nut onto the coaxial cable and align it with the outer conductor, as shown in the picture.



Step 4. Thread the nut onto the cable.



Step 5. Insert the main body to the nut and tighten it clockwise, as shown the picture. While tightening the nut, hold the main body and the coaxial cable firmly