N-type Connector for 3/8” Coaxial Cable

CN-NM-F38

CN-NF-F38

N-type connectors for CS-F38W-P 3/8” Plenum rated Coaxial Cable

Electrical Specifications

Product Model	CN-NM-F38	CN-NF-F38
Connector type	N-Male	N-Female
Frequency (MHz)	DC-6000	
Impedance (ohm)	50.0	
Inner Conductor Contact Resistance - [mΩ] ≤1	Inner Conductor Contact Resistance - [mΩ] ≤1	
Outer Conductor Contact Resistance - [mΩ] ≤1	Outer Conductor Contact Resistance - [mΩ] ≤1	
Insulation Resistance - [MΩ] ≥5000	Insulation Resistance - [MΩ] ≥5000	
Insulation Withstanding Voltage - [V] ≥2500	Insulation Withstanding Voltage - [V] ≥2500	
Insulation Resistance (MΩ)	> 5,000	
Insert Loss-[dB] ≤0.05√f(GHz)	Insert Loss-[dB] ≤0.05√f(GHz)	
VSWR	≤ 1.20	
PIM (dBc)	≤ -153 @ 2x 43dBm	

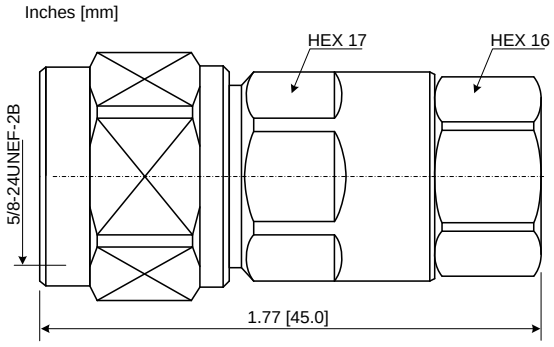
Mechanical Specifications

Dimension (in/ mm)	1.85x0.79x0.79 / 47.0x20.0x20
Weight (lb/kg)	0.13 / 0.057
Shipping Dimension (in/mm)	2.76x1.57x1.57 / 70.0x40.0x40.0
Shipping Weight (lb/kg)	0.14 / 0.065
Interface Durability, number of cycles	500
Connector Type	N-Male/ N-Female
Outer Conductor Material	Brass, Tri-alloy Plated
Inner Conductor Material	Phosphor bronze, Ag Plated
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-F38PA, CS-F38PB Coax
	AP-F38, Auto Preparation tool

Outline Drawing



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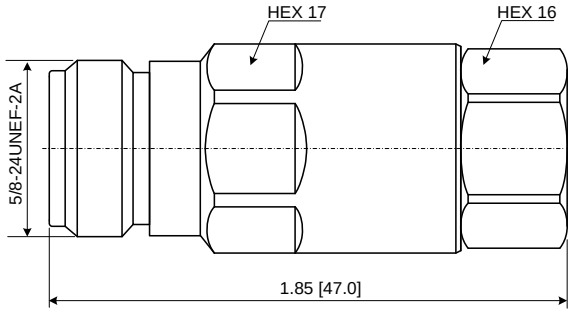

CN-NF-F38

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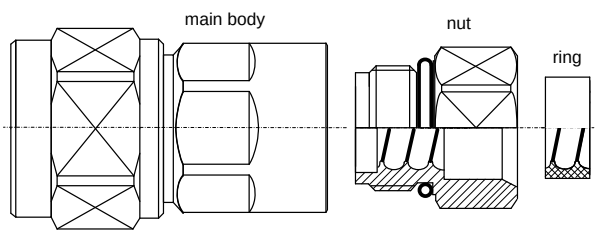
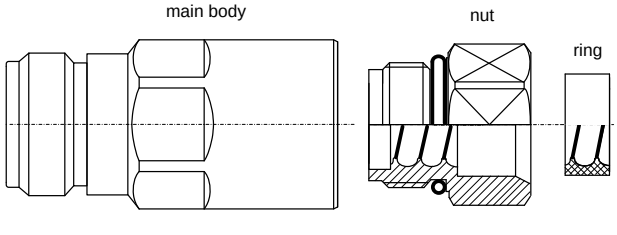
CN-NM-F38 & CN-NF-F38 Assembly Procedure

1. Parts



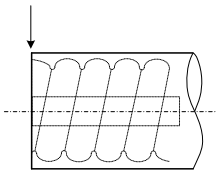
CN-NM-F38



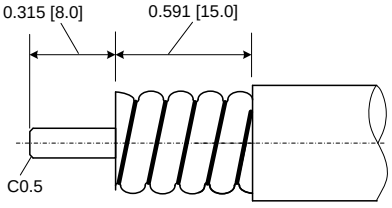
CN-NF-F38

2. Tools
   Auto Preparation Tool AP-F38, HEX 17 wrench, HEX16 Wrench

3. Coaxial cable preparation

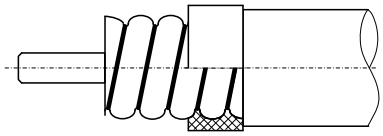


Step 1. Please cut cable as clean as possible. The cutting edge is to be at the top of corrugation

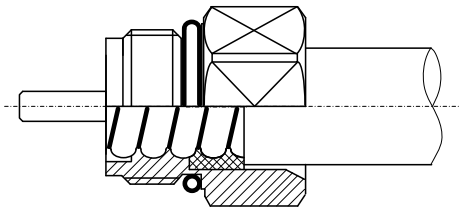


Step 2. Please use auto prep tool, AP-F38 and remove all remaining dielectric material after using auto prep tool

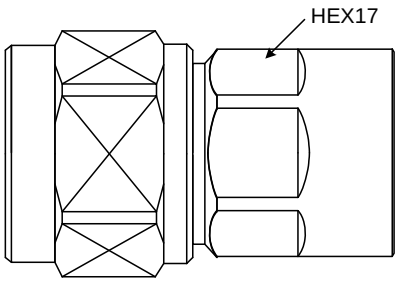
4. Connector Assembly

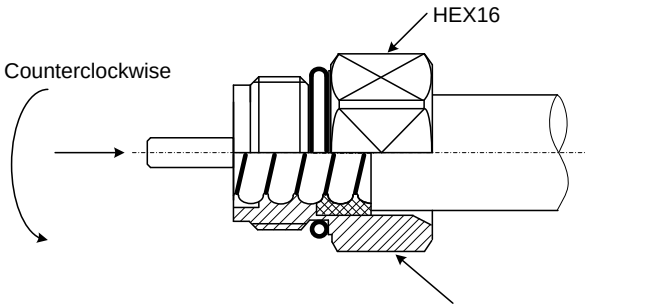


Step 3. Insert the ring along the outer conductor as shown the picture



Step 4. Inset the nut to the coax and align the nut with the coax outer conductor as shown the picture





Step 5. Insert the main body to the nut and tighten counterclockwise as shown the picture

Please hold the position while tightening main body with HEX17 wrench

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