

Connectors for 3/8" Coaxial Cable

CN-NM-F38L /CN-NF-F38L

CN-4M-F38L /CN-4F-F38L

N-type, 4.3-10 connectors for CS-F38/CS-F38L 3/8" Plenum rated Coaxial Cable



Electrical Specifications

Product Model	CN-NM-F38L	CN-NF-F38L	CN-4M-F38L	CN-4F-F38L
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)	≥2500			
Insert Loss (dB)	≤0.05vf(GHz)			
VSWR	DC-3.0GHz ≤ 1.150 3.0-4.2GHz ≤ 1.20 4.2-6.0GHz ≤ 1.25			
PIM (dBc)	≤ -161 @ 2x 43dBm			

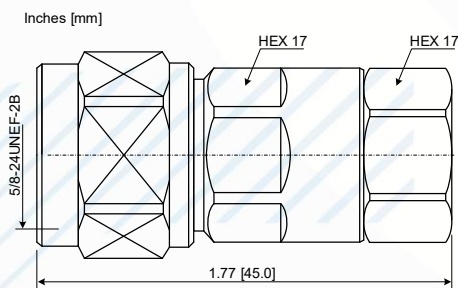
Mechanical Specifications

Dimension (in/ mm)	1.89x0.87x0.87 / 48.0x22.0x22.0
Weight (lb/kg)	0.13 / 0.06
Shipping Dimension (in/mm)	2.76x1.57x1.57 / 70.0x40.0x40.0
Shipping Weight (lb/kg)	0.20 / 0.09
Interface Durability, number of cycles	100
Connector Type	N-type and 4.3-10 type
Outer Conductor Material	Brass, Tri-alloy Plated
Inner Conductor Material	Phosphor bronze, Ag Plated
Insulator Material	PTFE
Other	Brass, Ni Plated

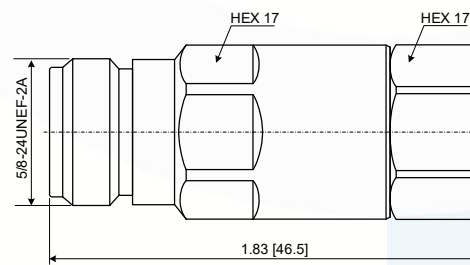
Environment & Compliance

Application	Indoor / Outdoor
Operation Temperature	-40°C to +85°C
Environment	IP68
Relative Humidity	Up to 95%
RoHS	Compliant
Compatible Coax Cable	CS-F38Px Series Coax
	CS-F38PLx Series Coax
	AP-F38, Auto Preparation tool

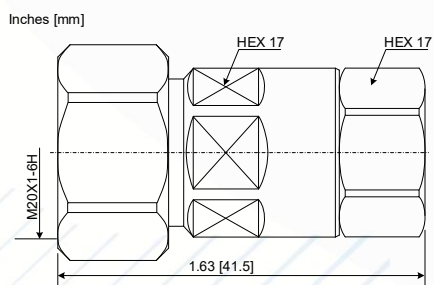
Outline Drawing



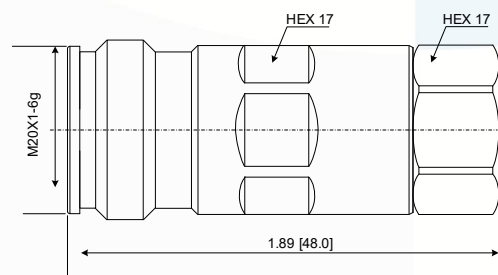
CN-NM-F38L



CN-NF-F38L



CN-4M-F38L

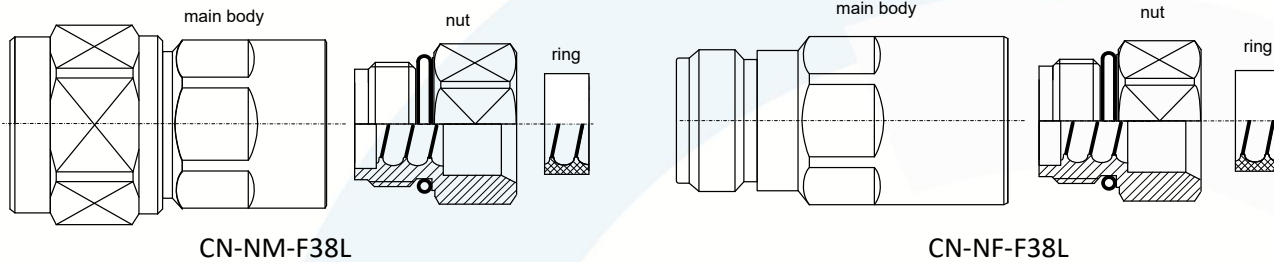


CN-4F-F38L

Installation Instruction

CN-xx-F38L Connectors Assembly Procedure

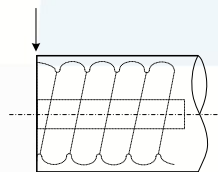
1. Parts



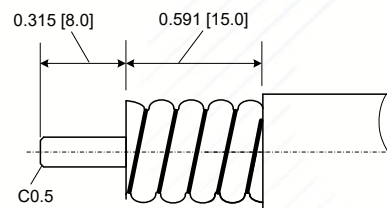
2. Tools

Auto Preparation Tool AP-F38, HEX 17 wrench

3. Coaxial cable preparation

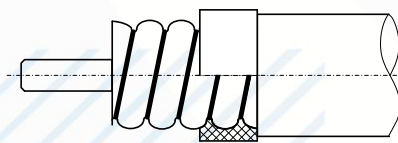


Step 1. Please cut cable as clean as possible.
The cutting edge is to be at the top of corrugation

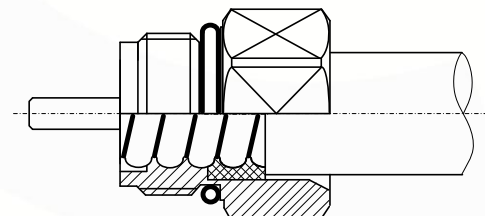


Step 2. Please use auto prep tool, AP-F38 and remove all remaining dielectric material after using auto prep tool

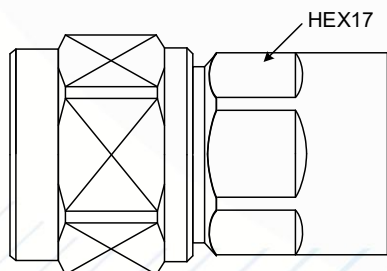
4. Connector Assembly



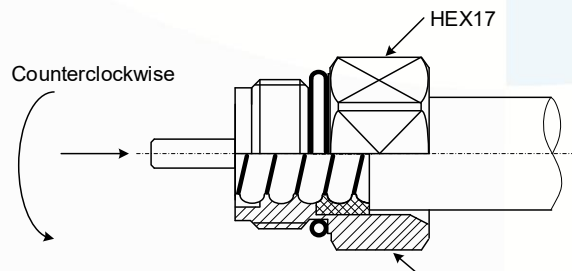
Step 3. Insert the ring along the outer conductor as shown the picture



Step 4. Insert 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