

Connectors for 0.3" Coaxial Cable

CN-NM-5D

CN-NF-5D

N-type connectors for CS-BM500, 0.3" Coaxial Cable



Electrical Specifications

Product Model	CN-NM-5D	CN-NF-5D
Connector type	N-Male	N-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)	≤ 0.05vf(GHz)	
VSWR		
	DC-3.0GHz	≤ 1.20
	3.0-3.7GHz	≤ 1.20
	3.7-6.0GHz	≤ 1.30
PIM (dBc)	≤ -161 @ 2x 43dBm (@900MHz, 2x43dBm)	

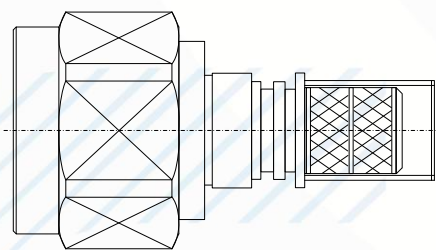
Mechanical Specifications

Dimension (in/ mm)	1.46x0.83x0.83 / 37.0x21.0x21.0
Weight (lb/kg)	0.07 / 0.03
Shipping Dimension (in/mm)	2.76x1.57x1.57 / 70.0x40.0x40.0
Shipping Weight (lb/kg)	0.09 / 0.04
Interface Durability, number of cycles	≥ 500
Connector Type	N-type
Outer Conductor Material	Brass, Ni Plated
Inner Conductor Material	Brass, Ag Plated
Other	Brass, Ni Plated
Insulator Material	PTFE

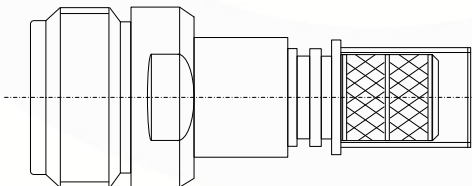
Environment & Compliance

Application	Indoor / Outdoor
Operation Temperature	-40°C to +85°C
Relative Humidity	Up to 95%
RoHS	Compliant
Related Products	CS-BM500 Twin Coax Calbe
Related Tools	

Outline Drawing



CN-NM-5D

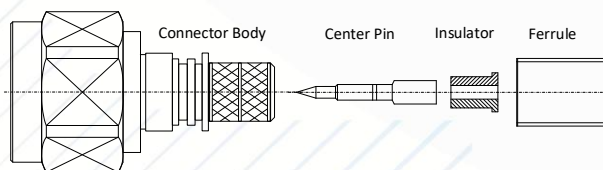


CN-NF-5D

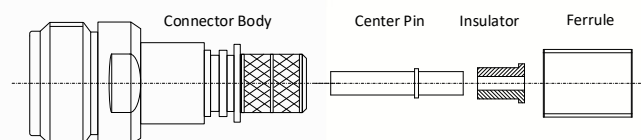
Installation Instruction

CN-NM-5D/CN-NF-5D Assembly Procedure

1. Parts

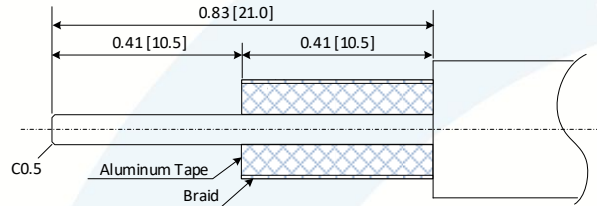


CN-NM-5D



CN-NF-5D

2. Tools
Coax Cutter and Crimp Tool
3. Coaxial cable preparation



Step 1: Straighten the end of the cable. Strip the outer jacket and remove the insulation as shown, leaving the braid and aluminum tape exposed to the specified dimensions.

4. Connector Assembly

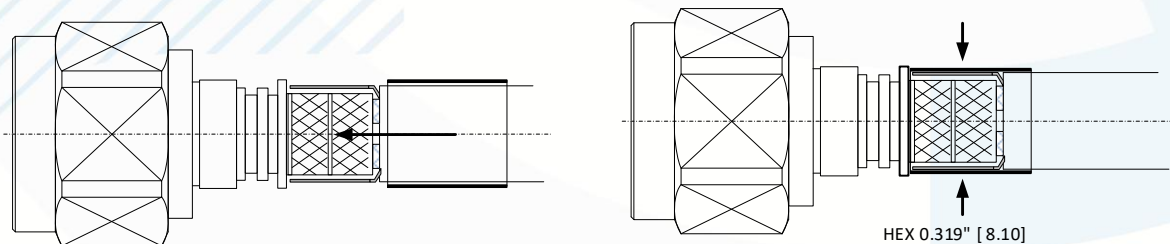


Step2: Slide the ferrule onto the cable. Flare the braid evenly as shown.



Step 3: Slide the insulator onto the center conductor and push it into position as shown.

Step 4: Insert the center pin fully onto the center conductor. Crimp the center pin using a **0.100 in. [2.54 mm]** hex crimp die at the location shown.



Step 5: Arrange the braid evenly around the connector body. Slide the ferrule forward over the braid until it is fully seated, then crimp the ferrule using a **0.319 in.[8.10 mm]** hex crimp die at the location shown.