



## N Female Connector for 2-1/4" Coaxial Cable, Straight O-ring sealing, Silver/Gold

### Product Description

Radio Frequency Systems line of high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to HELIFLEX® coaxial cables. RFS connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in a variety of mating interfaces. The N connector is one of the most common RF connector types. N type connectors from RFS will be delivered with a non-slotted outer conductor contact sleeve and a special gasket. Due to a special design of the coupling nut (without spring ring) N connectors can be tightened with increased torque. This increases the contact pressure.



Connector N Socket

### Features/Benefits

- Solderless - Captivated spring finger contacts permit quick, easy and precise solderless installation utilizing only basic hand tools. Avoids the high impedance risk associated with soldering.
- Corrosion-Proof Gold Plated Contacts - Featured even on standard connectors. Provide improved contact resistance and lower intermodulation.
- Outstanding Electrical Performance - Metal to Metal contact between cable and connector - no plastic parts used. Secure connection highly resistant to pull-off or twist-off provides long-term mechanical integrity. Resistant to intermodulation after temperature cycling.
- Easy to Install - No special tools needed. Only basic hand tools required. No additional costs to the installer.

### Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	2-1/4"
Cable Type	Air Dielectric
Model Series	HCA214-50 Series
Connector Interface	N
Connector Type	Straight
Sealing Method	O-ring
Gender	Female
Plating Outer/Inner	Silver/Gold
Length, mm (in)	135.3 (5.32)
Outer Diameter, mm (in)	73 (2.88)
Weight, kg (lb)	1.63 (3.59)
Inner Contact Attachment	Threaded
Outer Contact Attachment	Tab Flare
Wrench size front, mm (in)	29 (1-1/8)
Wrench size rear, mm (in)	67 (2-5/8)

### Notes

### Other Documentation

Installation Instruction: [412573b.pdf](#)