



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 Air Dielectric Cable® coaxial cables. RFS Technologies connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in a variety of mating interfaces.;

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.



Connector N Female

Technical features

GENERAL SPECIFICATIONS

| | | |
|------------------------|--|------------------|
| Transmission Line Type | | Coaxial Cable |
| Cable Size | | 1-5/8 |
| Cable Type | | Air Dielectric |
| Model Series | | HCA158-50 Series |
| Connector Interface | | N |
| Connector Type | | Straight |
| Sealing Method | | O-ring |
| Gender | | Female |

MECHANICAL SPECIFICATIONS

| | | |
|--------------------------|---------|--------------|
| Plating Outer/Inner | | Brass/Silver |
| Length | mm (in) | 135 (5.31) |
| Outer Diameter | mm (in) | 63 (2.5) |
| Inner Contact Attachment | | Threaded |
| Outer Contact Attachment | | Tab Flare |

ACCESSORIES

| | | |
|-------------------|---------|------------|
| Wrench size front | mm (in) | 29 (1-1/8) |
| Wrench size rear | mm (in) | 58 (2-1/4) |

[External Document Links](#)

[Notes](#)