



## N Male Connector for 7/8" Coaxial Cable, RAPID FIT™ Plast 2000 sealing

### 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 plug CAF

### Features/Benefits

- Excellent gas tightness, Overpressure for increased voltage handling is maintained throughout the system
- Robust Mechanical Design, Superior and consistent performance guarantees outstanding system characteristics.
- Extremely low reflection factor, Outstanding low reflection factor improves overall system performance and margin and reduces mismatch losses
- Totally Waterproof according to IP 68, Assures safe, long term operation in the harshest of environments. System tightness doesn't have to rely on overpressure from dehydration equipment.

### Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	7/8"
Cable Type	Air Dielectric
Model Series	HCA78-50 Series
Connector Interface	N
Connector Type	RAPID FIT™
Sealing Method	Plast 2000
Gender	Male
Plating Outer/Inner	Silver/Silver
Length, mm (in)	80 (3.15)
Outer Diameter, mm (in)	39.5 (1.55)
Weight, kg (lb)	0.34 (0.75)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	Threaded
Wrench size front, mm (in)	36 (1-7/16)
Wrench size rear, mm (in)	32 (1-1/4)
Sealing Volume, cm3 (ounces)	5 (0.17)

### Notes

### Other Documentation

Installation Instruction: [01-M30197O.pdf](#)