



## N Female Connector for 3/8" Coaxial Cable, RAPID FIT™ O-ring 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 CELLFLEX® 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.



RAPID FIT™ Connectors

### Features/Benefits

- Single-piece design for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance every time. Saves time and provides cost savings.
- Robust Mechanical Design - Low and consistent intermodulation performance guarantees outstanding system sensitivity.
- Excellent Electrical Performance - Consistent and repeatable low VSWR 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.

### Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	3/8"
Cable Type	Foam Dielectric
Connector Interface	N
Nominal Impedance, ohms	50
Connector Type	RAPID FIT™
Sealing Method	O-ring
Gender	Female
Plating Outer/Inner	Silver/Silver
Length, mm (in)	45 (1.8)
Outer Diameter, mm (in)	18 (0.7)
Weight, kg (lb)	0.08 (0.18)
Inner Contact Attachment	Basket
Outer Contact Attachment	Spring Finger
3rd Order IM Product @ 2x20 Watts, dBc	<-156
Maximum Frequency, GHz	3.7
VSWR (Return Loss, dB)	0 < f = 1.0 GHz: 1.02 (40.0) 1.0 < f = 2.7 GHz: 1.03 (36.6) 2.7 < f = 3.7 GHz: 1.08 (28.3)
Wrench size front, mm (in)	17 (11/16)
Wrench size rear, mm (in)	15 (9/16)
Trimming Tool	TRIM-Series-A
Waterproof Level	IP68

### Notes

### Other Documentation

Installation Instruction: [M30712c.pdf](#)



N Female Connector for 3/8" Coaxial Cable, RAPID FIT™ O-ring sealing

