

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

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.

RAPIT 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.

**External Document Links** Installation Instruction

#### Notes

## **Technical features** CENTERAL CRECIFICATIONS

GENERAL SPECIFICATIONS	
Transmission Line Type	

Transmission Line Type	Coaxial Cable
Cable Size	3/8
Cable Type	Foam Dielectric
Connector Interface	N
Connector Type	RAPID FIT™
Sealing Method	O-ring
Gender	Female

### **ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	<-156
Maximum Frequency	GHz	3.7
VSWR, Return Loss	VSWR (dB)	0 < f ≤ 1.0 GHz: 1.02 (40) 1.0 < f ≤ 2.7 GHz: 1.03 (36.6) 2.7 < f ≤ 3.7 GHz: 1.08 (28.3)

### MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Silver/Silver
Length	mm (in)	45 (1.8)
Outer Diameter	mm (in)	18 (0.7)
Inner Contact Attachment		Basket
Outer Contact Attachment		Spring Finger

www.rfstechnologies.com NF-LCF38-070 REV: B **REV DATE: 12 Nov 2009** 

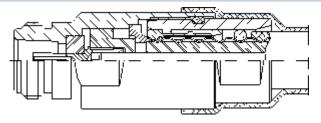


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ACCESSORIES		
Wrench size front	mm (in)	17 (11/16)
Wrench size rear	mm (in)	15 (9/16)
Trimming Tool		TRIM-Series-A
TESTING AND ENVIRONMENTAL		

### **TESTING AND ENVIRONMENTAL**

Waterproof Level IP68



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