



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 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.; The N connector is one of the most common RF connector types. N type connectors from RFS Technologies 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.

**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.



RAPID FIT™ Connectors

**Technical features**

**GENERAL SPECIFICATIONS**

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

**ELECTRICAL SPECIFICATIONS**

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

**MECHANICAL SPECIFICATIONS**

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



**NF-LCF38-070**

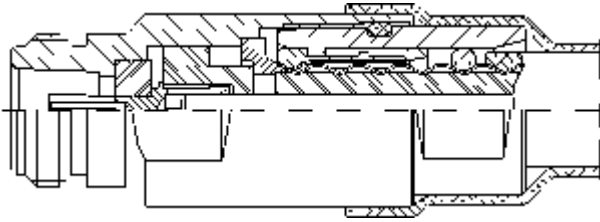
N Female Connector for 3/8" Coaxial Cable, RAPID FIT™ O-ring sealing

**ACCESSORIES**

<b>Wrench size front</b>	mm (in)	17 (11/16)
<b>Wrench size rear</b>	mm (in)	15 (9/16)
<b>Trimming Tool</b>		TRIM-Series-A

**TESTING AND ENVIRONMENTAL**

<b>Waterproof Level</b>		IP68
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