



N Male 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.

RAPID FIT™



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.

Technical Features

GENERAL SPECIFICATIONS

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		Male

ELECTRICAL SPECIFICATIONS

Nominal Impedance	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 (40.0) 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)	53.1 (2.1)
Outer Diameter	mm (in)	22 (0.9)
Weight	kg (lb)	0.08 (0.18)
Inner Contact Attachment		Basket
Outer Contact Attachment		Spring Finger

ACCESSORIES

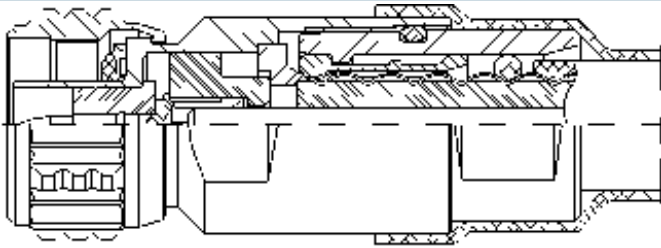
Wrench size front	mm (in)	17 (11/16)
Wrench size rear	mm (in)	15 (9/16)
Trimming Tool		TRIM-38-L03

TESTING AND ENVIRONMENTAL

Waterproof Level		IP68
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External Document Links	Notes
Installation Instruction	