

7-16 DIN 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 7-16 connector is the most rugged RF connection meeting all requirements even under severe environmental conditions.

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.



RAPIT FIT™ Connectors

External Doci	ument Links
Installation In	struction

truction

Technical features

GENERAL SPECIFICATIONS			
Transmission Line Type		Coaxial Cable	
Cable Size		3/8	
Cable Type		Foam Dielectric	
Connector Interface		7-16 DIN	
Connector Type		RAPID FIT™	
Sealing Method		O-ring	
Gender		Male	
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: 1.06 (30.7)	
MECHANICAL SPECIFICATIONS			
Plating Outer/Inner		Silver/Silver	
Length	mm (in)	55 (2.2)	
Outer Diameter	mm (in)	37 (1.5)	
Inner Contact Attachment		Basket	
Outer Contact Attachment		Spring Finger	

Notes

716M-LCF38-070 REV : B REV DATE : 12 Nov 2009 www.rfstechnologies.com

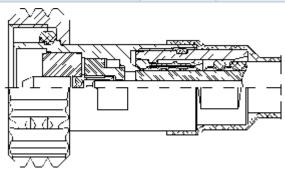


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ACCESSORIES Wrench size front mm (in) 17 (11/16) Wrench size rear 15 (9/16) mm (in) **Trimming Tool** TRIM-Series-A

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68



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