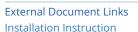


### 7-16 DIN Male Connector for 3/8" Coaxial Cable, RAPID FIT™ O-ring sealing

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.



Notes



RAPIT FIT™ Connectors

# **Technical features**

<b>GENERA</b>	L SPEC	CIFICA	ATIONS
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-	
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

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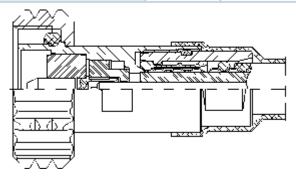


# 7-16 DIN Male Connector for 3/8" Coaxial Cable, RAPID FIT™ O-ring sealing

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

### **TESTING AND ENVIRONMENTAL**

Waterproof Level	IP68	



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