7-16 DIN Female Connector for 1-5/8" RADIAFLEX® cable

These single-piece 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 RADIAFLEX® cables. The connectors provide outstanding value to users because they permit quick, easy and reliable installation at any location, thereby allowing the operator flexibility while saving installation time and money. They attach to prepared cable in one piece assuring error-free attachment. All connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in both type N and 7-16 DIN interface.

FEATURES / BENEFITS

- Single-piece design for Fast and Easy Installation Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance. Saves time and provides cost savings.
- Robust Mechanical Design Low and consistent IM performance.
- Excellent Electrical Performance Low VSWR
- Totally Waterproof Assures safe, long term operation in the harshest of environments.
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



RADIAFLEX connector

Technical features

GENERAL	. SPECIFI	CATIONS	
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Transmission Line Type	Coaxial Cable	
Cable Size	1-5/8	
Cable Type	Radiating	
Model Series	all RLF, RLK and RAY158-50A-Series	
Connector Interface	7-16 DIN	
Connector Type	Straight	
Sealing Method	Shrinking Sleeve	
Gender	Female	

ELECTRICAL SPECIFICATIONS

Nominal Impedance, ohms	Ohm	50
Maximum Frequency	GHz	3
VSWR, Return Loss	VSWR (dB)	0 - 1 GHz: 1.03 (36.6) 1 - 2 GHz: 1.06 (30.7) 2 - 3 GHz: 1.08 (28.3)

MECHANICAL SPECIFICATIONS

Length	mm (in)	90.7 (3.57)	
Outer Diameter	mm (in)	56.5 (2.22)	
Body Material		Brass / Plating: Tri metal	
Inner Contact Material		Copper / Plating: Silver	
Inner Contact Attachment		Spring Finger / Plating: silver	
Outer Contact Attachment		Spring loop / Plating: silver	

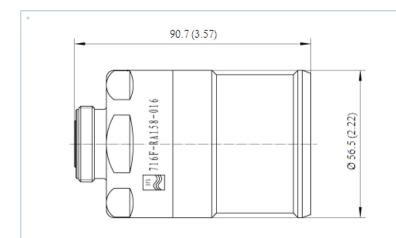
TESTING AND ENVIRONMENTAL

Waterproof Level	IP68

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External Document Links

Application Note
Installation Instruction

Notes

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