

**716F-RA114-016**

7-16 DIN Female Connector for 1-1/4" 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

Technical Features**STRUCTURE**

Cable Type	Radiating
Cable Size	1-1/4
Model Series	all RLF, RLK and RAY114-50A-Series
Connector Interface Size	7-16 DIN

MECHANICAL SPECIFICATIONS

Connector Length	81.5mm (3.21in)
Connector Outer Diameter	44.5mm (1.75in)

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 Ω	
Frequency Range	VSWR	Return Loss
0 - 1 GHz	1.03	36.6
1 - 2,7 GHz	1.06	30.7
2,7 - 3,7 GHz	1.08	28.3

**Related Documents****Application Note**
External Datasheet**Installation Instruction**
Installation Instructions