

# 7-16 DIN Female Connector for 1-1/4" RADIAFLEX® cable

The P02 premium 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 should 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.

### **FEATURES / BENEFITS**

- Designed 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 Best in class PIM performance
- Excellent Electrical Performance Low VSWR
- Totally Waterproof Assures safe, long term operation in the harshest of environments



716F-RA114-P02

external Document Links
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Installation of Heat Shrink Sleeves Installation Instruction

### Notes

In order to achieve the PIM specs. the use of the trimming tool is mandatory.

# **Technical features**

GFN	IFRAI	. SPECI	FICAT	IONS

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Coaxial Cable				
1-1/4				
Radiating				
all RLF, RLK and RAY114-50A-Series				
7-16 DIN				
Straight				
Shrinking Sleeve				
Female				

# **ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-155 / -160 (typ.)
Maximum Frequency	GHz	3.7
VSWR, Return Loss	VSWR (dB)	0.0-1.0 GHz: 1.03 (36.6) >1.0-2.7 GHz: 1.06 (30.7) >2.7-3.7 GHz: 1.08 (28.3)

### **MECHANICAL SPECIFICATIONS**

Length	mm (in)	81.4 (3.2)
Outer Diameter	mm (in)	48.8 (1.92)
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

## **ACCESSORIES**

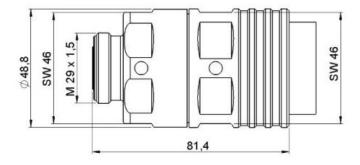
Wrench size front	mm (in)	SW 46 (1.81)
Wrench size rear	mm (in)	SW 46 (1.81)
Poly Hook Spanner	mm (in)	PHS60-90-5 Ø 60-90 (2.4-3.4)
Trimming Tool		TRIM-SET-R114-P02

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# TESTING AND ENVIRONMENTAL Waterproof Level IP68 INSTALLATIONTEMPERATURECF °C(°F) -25 to 60 (-13 to 140) STORAGETEMPERATURECF °C (°F) -70 to 85 (-94 to 185) OPERATIONTEMPERATURECF °C(°F) -40 to 85 (-40 to 185)



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