



## 4.3-10 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.



43F-RA114-P02

**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

**Technical Features**

**GENERAL SPECIFICATIONS**

Transmission Line Type		Coaxial Cable
Cable Size		1-1/4"
Cable Type		Radiating
Model Series		all RLF, RLK and RAY114-50A-Series
Connector Interface		4.3-10
Connector Type		Straight
Sealing Method		Shrinking Sleeve
Gender		Female

**ELECTRICAL SPECIFICATIONS**

Nominal Impedance	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)	91.2 (3.59)
Outer Diameter	mm (in)	48.8 (1.92)
Weight	kg (lb)	0.34 (0.749)
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

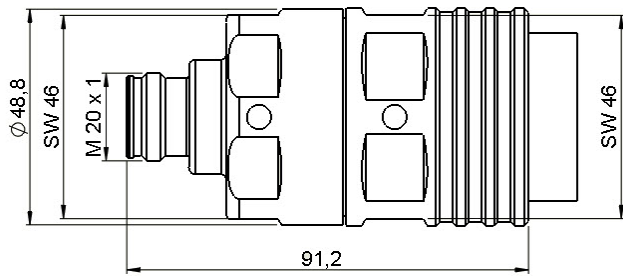
**ACCESSORIES**

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

**TESTING AND ENVIRONMENTAL**

Waterproof Level		IP68
Installation Temperature	°C(°F)	-25 to 60 (-13 to 140)
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185)
Operation Temperature	°C(°F)	-40 to 85 (-40 to 185)

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43F-RA114-P02 sketch

### External Document Links

Installation of Heat Shrink Sleeves  
Installation Instruction

### Notes

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