



**NF-RA12-P02**

N Female Connector for 1/2" 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 197 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.



NF-RA12-P02

**Technical features**

**GENERAL SPECIFICATIONS**

Transmission Line Type		Coaxial Cable
Cable Size		1/2
Cable Type		Radiating
Model Series		all ALF and RLK-Series
Connector Interface		N
Connector Type		Straight
Sealing Method		Shrinking Sleeve
Gender		Female

**ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-155 / -160 (typ.)
Maximum Frequency	GHz	6.0
VSWR, Return Loss	VSWR (dB)	0.0 - 1.0 GHz: 1.03 (36.6) >1.0 - 2.0 GHz: 1.06 (30.7) >2.0 - 3.0 GHz: 1.08 (28.3) >3.0 - 4.0 GHz: 1.11 (25.7) >4.0 - 6.0 GHz: 1.15 (23.1)

**MECHANICAL SPECIFICATIONS**

Length	mm (in)	82.8 (3.26)
Outer Diameter	mm (in)	26 (1.02)
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



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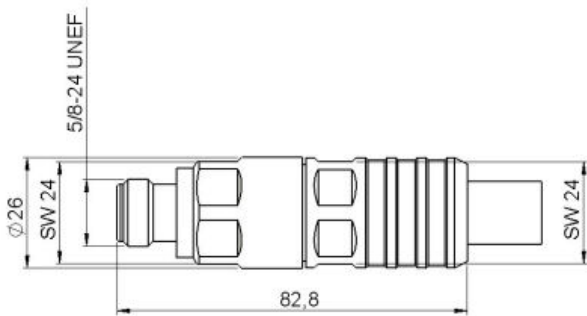
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### ACCESSORIES

Wrench size front	mm (in)	SW 24 (0.94)
Wrench size rear	mm (in)	SW 24 (0.94)
Trimming Tool		TRIM-SET-R12-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)



NF-RA12-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.