PRODUCT DATASHEET

# 43F-RA12-P02

4.3-10 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.



43F-RA12-P02

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.

## 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** | | 4.3-10 |
| **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)<br>>1.0 - 2.0 GHz: 1.06 (30.7)<br>>2.0 - 3.0 GHz: 1.08 (28.3)<br>>3.0 - 4.0 GHz: 1.11 (25.7)<br>>4.0 - 6.0 GHz: 1.15 (23.1) |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Length** | mm (in) | 85.8 (3.38) |
| **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 |



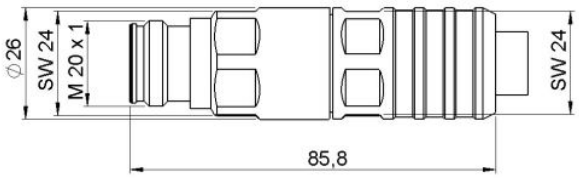
All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

## 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) |




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.



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