Connector Termination Instructions
RFI D43-131

The RFI D43-131 is a captive pin connector with a crimp sleeve suitable for RG58, RG142 or RG223 cable.
Please read the instructions in its entirety before attempting to terminate the D43-131 connector.
Tools required – Millimetre scaled ruler, Stanley knife with a sharp blade, a metal file, an RCT-5859 crimp tool and a Heat gun.

1. Connector Parts

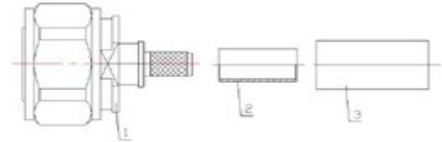|	
1. Body 2. Crimp Sleeve 3. Heat Shrink Tubing	 Figure 1

2. Cable Preparation

Insert heat shrink tube and Crimp Sleeve (item 2 in fig. 1)) over the cable end and move these components up the cable 15 to 20cm to ensure that they are not in the way.

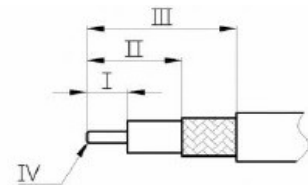|	
Prepare the cable end to the following dimensions: I. Inner conductor 4.5mm (+/- 0.1 mm) II. Insulator 11.0mm (+/- 0.1 mm) III. Outer conductor 15.5mm (1.0 mm) IV. Gently file the centre conductor end to a 0.2 mm chamfer. This step is important to ensure that the centre conductor enters the captive pin and does not "deflect" to the side of the centre pin cup. This can cause a short or intermittent signal and will affect connector losses.	 Figure 2

3. Cable insertion

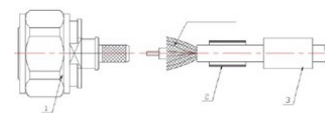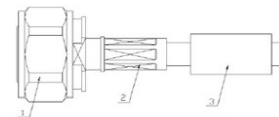|	
1. Splay the braid to resemble the "conical" shape as shown in Fig 3. 2. Insert the cable assembly into the connector ensuring that it goes in as far as possible as shown in Fig 4. 3. Holding the connector in one hand, use the other hand to slide the Crimp Sleeve over the braid. This might require a little effort. Slide the Crimp Sleeve all the way to the body of the connector. 4. Crimp with an RCT-5859 (5.41mm) crimping tool. The Crimp Sleeve will become hexagonal in shape after crimping and will retain the cable in the connector.	 Figure 3 Figure 4

4. Final Assembly

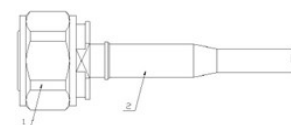|	
Slide the Heat Shrink Sleeve (Item 3 in Fig1.) over the crimped sleeve and shrink the sleeve with a heat gun. Be careful not to apply excessive heat to a single point at any given time. Do not direct the hot airflow onto any part of your person as this may result in burns. The final assembly should resemble Fig 5	 Figure 5