

# Operation Manual For Multi-Network Cable Tester F4F314 and F4F314-T

## A. To Test Straight Through Twisted Pair (Shielded or Unshielded) Modular Cables

1. Plug one end of the cable into the modular jack on the master unit marked with '▲' and the other end into the receiving modular jack on either the master unit or the remote terminator (for F4F314-T only).
2. As soon as power is turned on, select the scanning mode to either 'AUTO' or 'MANUAL'. To do the 'AUTO' test, just press down the scanning mode button to 'AUTO' and the LED display will light up in sequence for each conductor and show the pin-configuration of the cable. To test the cable manually, just leave the scanning mode button up on 'MANUAL' mode, and press the 'TEST' button to see the continuity and pin-out of one particular wire in the cables. Refer to section 'D' and 'E' for further information.
3. For shielded cables the 9th LED marked with 'G' indicates the grounding/shielding of the cable. If the cable is properly grounded/shielded, the 'G' LEDs on both lines should light up, otherwise the cable is not grounded/shielded.

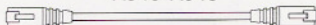
## B. To Test Coax Cable (BNC)

1. Plug both ends of the cable into the female BNC connectors on the two RJ45/BNC adapter cables, thus changing the coax cable to a RJ45/RJ45 cable. Plug one end of the cable with the RJ45 connector into the modular jack on the master unit marked with '▲' and the other end to the receiving modular jack either on the master unit or the remote terminator (for F4F314-T only).
2. As soon as the power is turned on, select the scanning mode to 'MANUAL' and then press the 'TEST' button twice to see the first and second pair of LEDs which indicates the continuity of the cable tested. It is recommended to use 'MANUAL' mode for coax cable since coax cable has only two conductors. Refer to section 'E' for further information.

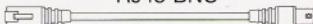
## C. To do the Remote Test (F4F314-T only)

1. Plug the first end of the cable into the modular jack on the master unit marked with '▲' (plug the RJ45/BNC adapter on first for the coax cable testing), then plug the second end of the cable at the remote location into the modular jack on the remote terminator. Then repeat the instructions from section 'A-2', except that you compare the LEDs on the remote terminator to the LEDs on the master unit. If the remote end of the cable is connected to a wallplate or patch panel, you will need to use the included RJ45/RJ45 or RJ45/BNC adapters to connect the cable to the remote terminator.

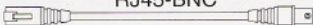
RJ45-RJ45



RJ45-BNC



RJ45-BNC



BNC-BNC

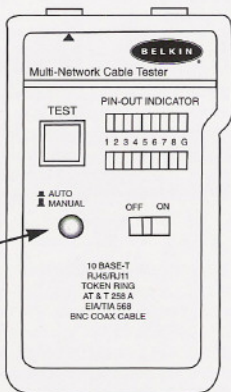


RJ45-RJ11

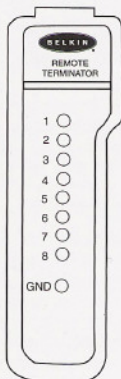


MASTER UNIT





REMOTE  
TERMINATOR  
(for F4F314-T only)



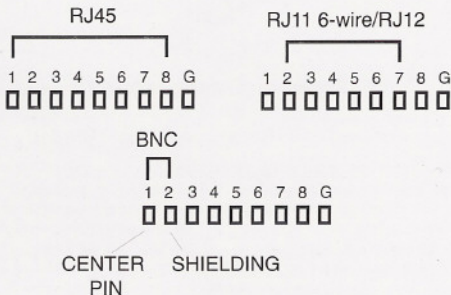
SCANNING  
MODE  
BUTTON



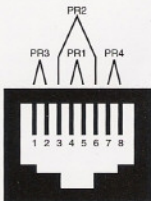
## D. To Read the Test Results

1. Continuity:  Pin 2 is continued
2. Open:  Pin 2 is opened
3. Short:  Pin 2 and Pin 3  
are shorted together
4. Miswire:  Pin 3 and Pin 6 are  
miswired

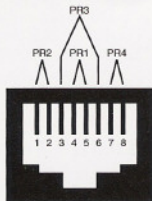
## E. The Configuration of Pin-Out Indicator for RJ45, RJ11, and BNC Connectors



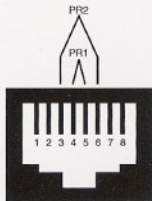
## Pair Configurations For Cables with Modular Connectors



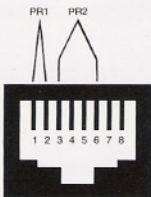
EIA/TIA-568A



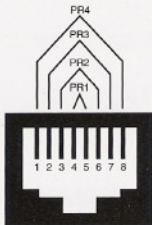
EIA/TIA-568B  
AT & T 258A



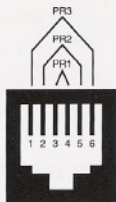
8 Position  
Token Ring



Ethernet  
10Base-T



USOC 8



USOC 4 (Prs. 1 & 2)  
USOC 6 (Prs. 1, 2 & 3)



### Belkin Components

Corporate Headquarters • 501 West Walnut • Compton • CA • 90220  
Phone 310.898.1100 • 800.223.5546 • Fax 310.898.1111

### Belkin Components, LTD.

Clarke Road • Mount Farm • Bletchley • Milton Keynes • MK1 1LG • United Kingdom  
Phone +44 (01908) 367 178 • Fax +44 (01908) 366 564

[www.belkin.com](http://www.belkin.com)

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