Ethernet Cable
Colour – Code Standards
&
Methods of Crimping
The 8 Position 8 Contact (8P8C) modular plugs and jacks are communications connectors.

These connectors are often referred to as RJ 45 Plugs and Jacks.
Understand the RJ 45 Connector

Identify The Pin 1

Clip is pointed away from you.
RJ - 45 Connector
RJ - 45 PINS

- Pin 1: Transmit +
- Pin 2: Transmit -
- Pin 3: Receive +
- Pin 4: Reserved
- Pin 5: Reserved
- Pin 6: Receive -
- Pin 7: Reserved
- Pin 8: Reserved
T-568A
Straight-Through Ethernet Cable
T-568A Pin Out
T-568B Pin Out

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RJ-45 Crossover Ethernet Cable

RJ-45 Plug
Pin 1
Clip is pointed away from you.

T-568A
T-568B
Basic Theory
Cross Over Crimping

Diagram showing the cross over crimping for PC to PC connections, with color-coded wires for TX+, TX-, RX+, RX-, and RX-.
In a Nutshell

Switch the Green set of wires in place with the Orange set of wires

Provided

You Keep The Colour Coding Standards

T – 568 A

Or

T – 568 B
For More Details Visit

http://www.incentre.net/incentre/frame/ethernet.html