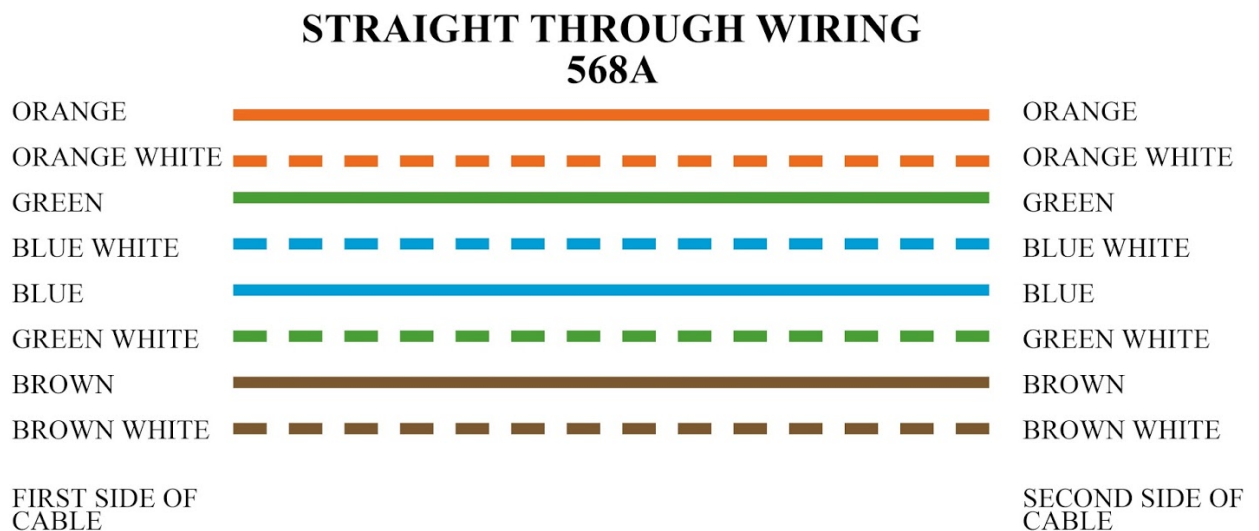**Types of Ethernet Cabling**

Ethernet Cabling is used to hardware Components with Rj45 Jack. These cable are shielded and unshielded which is Connected with Server, Router, Switch, Hub, Repeater, Computer, Laptop, Modem.

Three Types of Ethernet Cabling

- **Straight-Through Cable**
- **Crossover Cable**
- **Rollover Cable**

Straight-Through Cable

- Router, Switch, Hub to PC
- Router to SWITCH

STRAIGHT THROUGH WIRING
568A

ORANGE	———————	ORANGE
ORANGE WHITE	– – – – –	ORANGE WHITE
GREEN	———————	GREEN
BLUE WHITE	– – – – –	BLUE WHITE
BLUE	———————	BLUE
GREEN WHITE	– – – – –	GREEN WHITE
BROWN	———————	BROWN
BROWN WHITE	– – – – –	BROWN WHITE

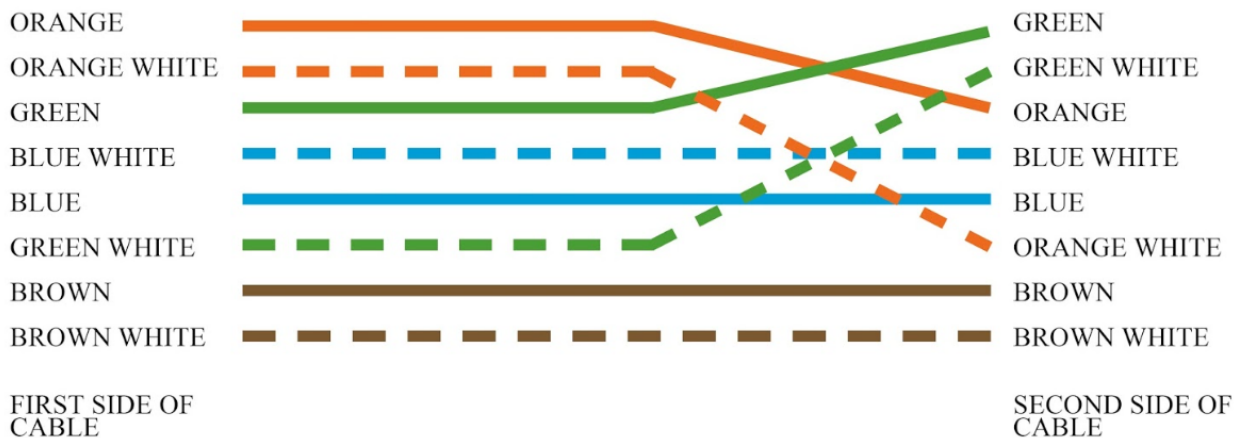FIRST SIDE OF CABLE

SECOND SIDE OF CABLE

Crossover Cable

- PC TO PC
- SWITCH TO SWITCH
- HUB TO HUB

- ROUTER Direct TO PC
- HUB TO SWITCH

CROSSOVER WIRING
568B

FIRST SIDE OF CABLE		SECOND SIDE OF CABLE
ORANGE		GREEN
ORANGE WHITE		GREEN WHITE
GREEN		ORANGE
BLUE WHITE		BLUE WHITE
BLUE		BLUE
GREEN WHITE		ORANGE WHITE
BROWN		BROWN
BROWN WHITE		BROWN WHITE

Rollover Cable

Although rolled over cable isn't used to connect any Ethernet connections together, you can use a rolled over Ethernet cable to connect a host to a router console serial communication port.

ROLLOVER WIRING
(CONSOLE CABLE)

FIRST SIDE OF CABLE		SECOND SIDE OF CABLE
ORANGE		BROWN WHITE
ORANGE WHITE		BROWN
GREEN		GREEN WHITE
BLUE WHITE		BLUE
BLUE		BLUE WHITE
GREEN WHITE		GREEN
BROWN		ORANGE WHITE
BROWN WHITE		ORANGE