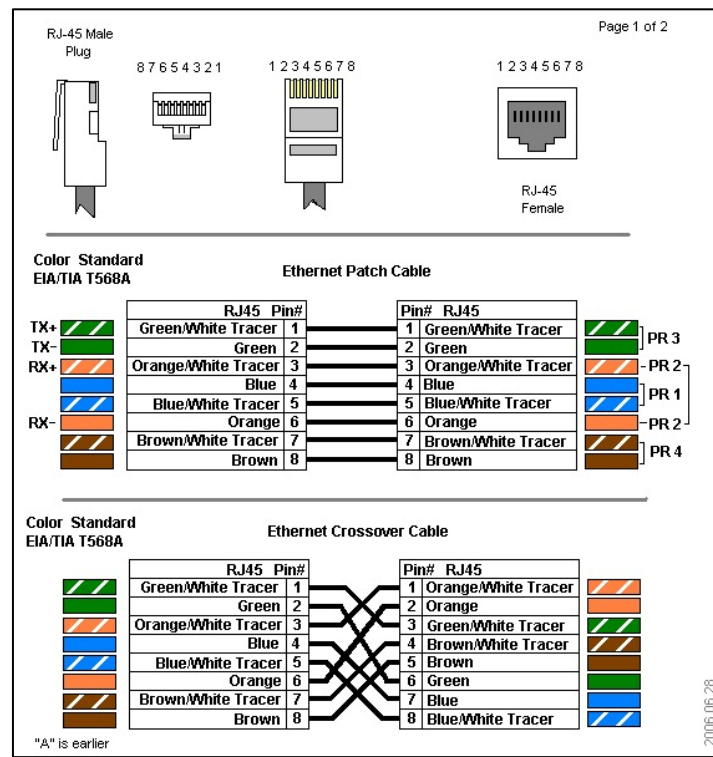


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Matric No: A20EC0039

Section: 01

Lab 5



There are two things, RJ 45 Male plug, and RJ 45 female port. The colours of the wires are green, green with white tracer, orange, orange with white tracer, blue, blue with white trace, brown and brown with white tracer.

In the Ethernet Patch Cable, both ends of the patch cords are using the same standard connector which is T-568A. Hence, the connection is in the straight line. The wires will not swap or change the position in the patch cable connection. Therefore, pin 1 (green with white trace) on the left connector is connect to pin 1 (green with white tracer) on the right connector, pin 2 (green) on the left connector is connect to pin 2 (green) on the right connector, pin 3 (orange with white tracer) on the left connector is connect to pin 3 (orange with white tracer) on the right connector, pin 4 (blue) on the left connector is connect to pin 4 (blue) on the right connector, pin 5 (blue with white tracer) on the left connector is connect to pin 5 (blue with white tracer) on the right connector, pin 6 (orange) on the left connector is connect to pin 6 (orange) on the right connector, pin 7 (brown with white tracer) on the left connector is connect

to pin 7 (brown with white tracer) on the right connector while pin 8 (brown) on the left connector is connect to pin 8 (brown) on the right connector.

In the Ethernet Crossover Cable, both ends of the patch cords are using different standard connectors which are T-568A at the left and T-568B at the right. Hence, both connectors have wire arrangement with different colour. Therefore, the connection is in the cross over due to the swapping and changing of the position. Pin 1 (green with white trace) on the left connector is connect to pin 3 (green with white tracer) on the right connector, pin 2 (green) on the left connector is connect to pin 6 (green) on the right connector, pin 3 (orange with white tracer) on the left connector is connect to pin 1 (orange with white tracer) on the right connector, pin 4 (blue) on the left connector is connect to pin 7 (blue) on the right connector, pin 5 (blue with white tracer) on the left connector is connect to pin 8 (blue with white tracer) on the right connector, pin 6 (orange) on the left connector is connect to pin 2 (orange) on the right connector, pin 7 (brown with white tracer) on the left connector is connect to pin 4 (brown with white tracer) on the right connector while pin 8 (brown) on the left connector is connect to pin 5 (brown) on the right connector.