



**CSF3223**

**NETWORKING**

**SEMESTER 2 SESSION 2022/2023**

**LAB 4 REPORT**

**(BUILDING AN ENETHERNET CROSSOVER CABLE)**

**PREPARED BY:**

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**PREPARED FOR:**

**SIR ARIZAL**



- a. Determine the cable length required. (Your instructor will let you know the cable length you should make.) Note: If you were making a cable in a production environment, the general guideline is to add another 12 in. (30.48 cm) to the length.
- b. Cut off a piece of cable to the desired length and using your wire stripper, remove 5.08 cm (2 in.) of the cable jacket from both ends.



c. Hold the four pairs of twisted cables tightly where the jacket was cut away. Reorganize the cable pairs into the order of the 568-A wiring standard. Refer to the diagrams, if necessary. Take as much care as possible to maintain the twists in the cable; this provides noise cancellation.





Command Prompt

Media State . . . . . : Media disconnected  
Connection-specific DNS Suffix . :

Unknown adapter Local Area Connection:

Media State . . . . . : Media disconnected  
Connection-specific DNS Suffix . :

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . : fe80::c16d:8d0b:ac6f:9e9a%13  
IPv4 Address. . . . . : 198.162.10.2  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :

C:\Users\PC 48>ping 198.162.10.2

Pinging 198.162.10.2 with 32 bytes of data:  
Reply from 198.162.10.2: bytes=32 time<1ms TTL=128  
Reply from 198.162.10.2: bytes=32 time<1ms TTL=128  
Reply from 198.162.10.2: bytes=32 time<1ms TTL=128  
Reply from 198.162.10.2: bytes=32 time<1ms TTL=128

Ping statistics for 198.162.10.2:  
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\PC 48>

