

## LAN (Ethernet cabling)

ดร. อนันต์ พลเพิ่ม

Anan Phonphoem, Ph.D.

[anan@cpe.ku.ac.th](mailto:anan@cpe.ku.ac.th)

<http://www.cpe.ku.ac.th/~anan>  
Computer Engineering Department  
Kasetsart University, Bangkok, Thailand

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## Dominated LAN Architectures

- **Ethernet**
  - Bus
  - Star
- **Token ring**
- **Token Bus**
- **FDDI**

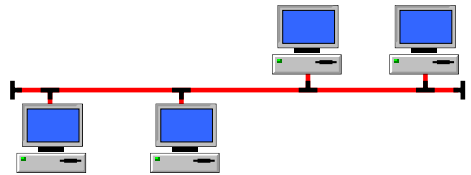
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## Optical Fiber Cable

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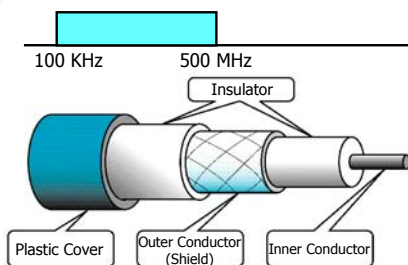
## Bus Topology

- Each node connects to the Bus (a long cable running as a backbone)



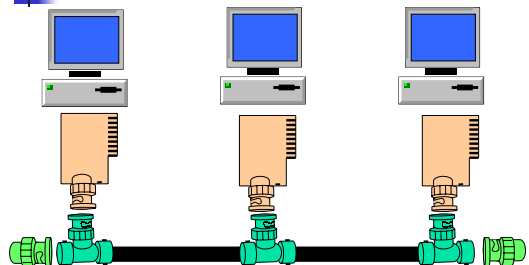
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## Coaxial Cable



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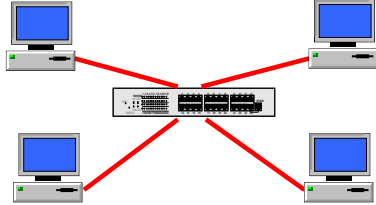
## Ethernet 10Base2



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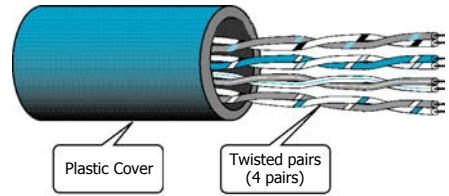
## Star Topology

- Each device has a dedicated point-to-point link to a central controller (Hub)



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## Unshielded Twisted Pair Cable



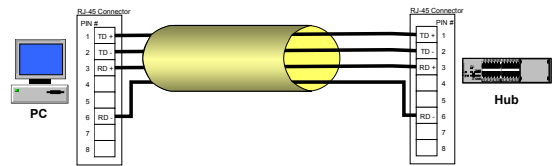
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## Ethernet Cable

- Straight-Thru Cable
- Crossover Cable
- Rollover Cable

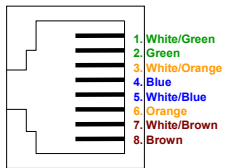
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## Ethernet Straight-Thru Cable

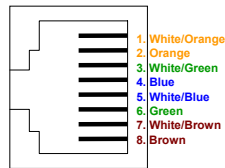


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## RJ-45 Color Code



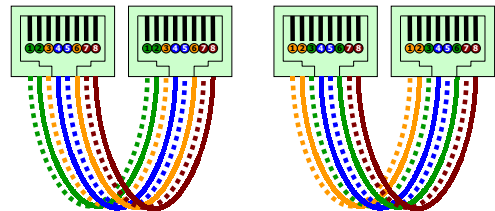
EIA/TIA 568 A



EIA/TIA 568 B

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## Straight-Thru Cable

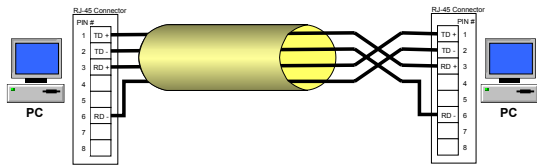


EIA/TIA 568 A

EIA/TIA 568 B

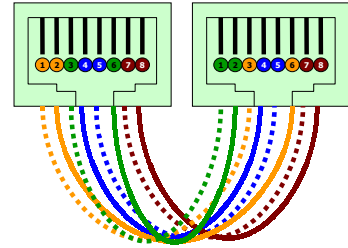
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## Ethernet Crossover Cable



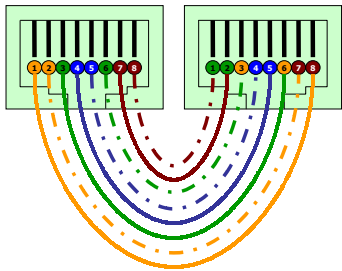
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## Crossover Cable



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## Rollover Cable



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