Transmission Media

Chapter 4

Transmission Media

- Copper Wires
- Glass Fiber
- Radio
  - Satellites (GEO, LEO, LEO Satellite Arrays)
  - Microwave
  - Infrared

Twisted Pair Wiring

- Examples
  - Telephone transmission lines
    - ADSL
    - HDSL
  - Ethernet Cat 5 cable
    - 100 BaseT Ethernet
  - T1 transmission lines
    - Used to interconnect routers and for ISDN circuits

Coaxial Cable

- Cable Television (cable modems)
- T3 transmission lines (used to interconnect routers and switches)

Fiber Optic Cables

- Interconnecting telephony switches
- Interconnecting core routers and switches
- Cable television distribution
- Fiber to the home

Satellite Communication

- Video Distribution
- Weather Imaging
- Worldwide Communications