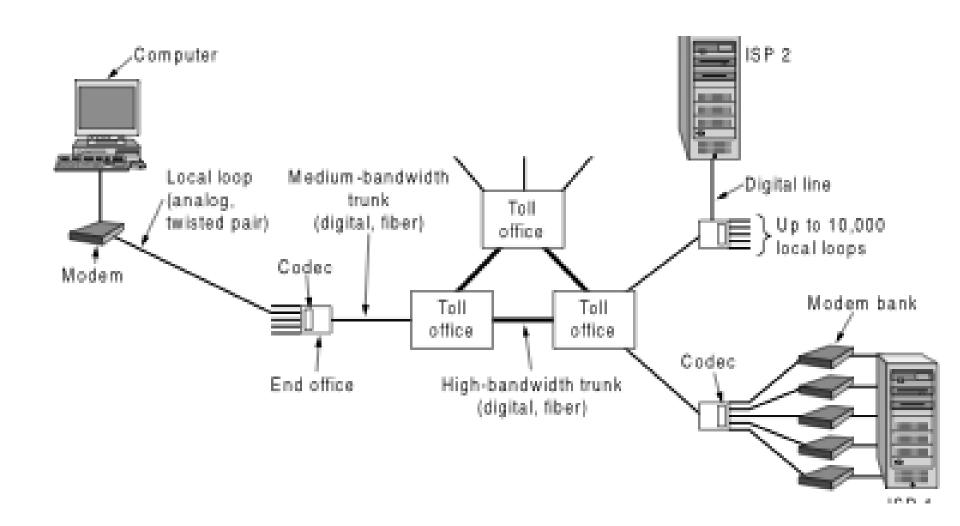
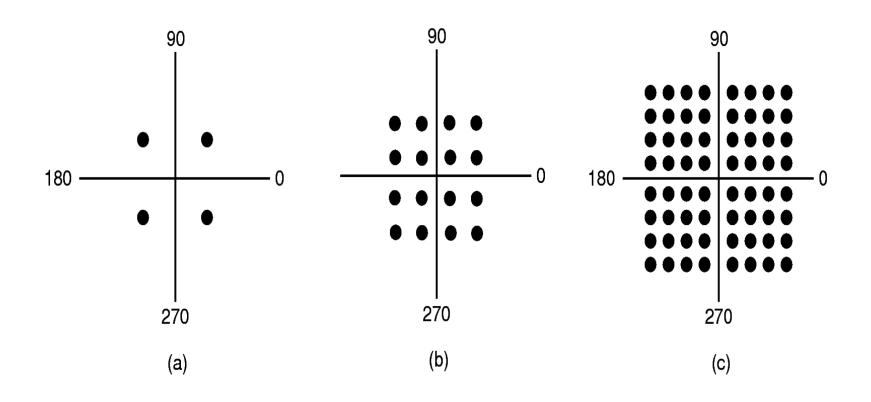
Lecture 6

Transmission Media and Multiplexing/Switching

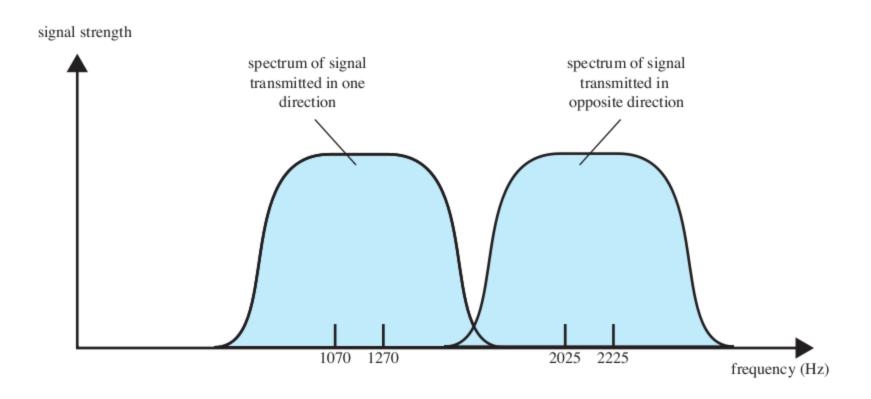
Telephone system



QAM Constellation Diagram



Modem FDM

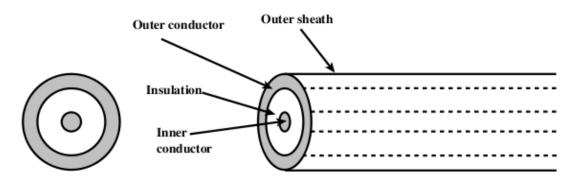


- -Separately insulated
- -Twisted together
- -Often "bundled" into cables
- Usually installed in building during construction



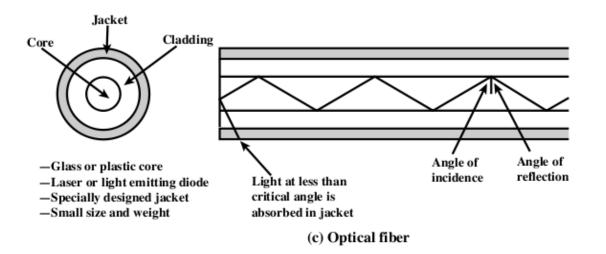
(a) Twisted pair

Guided Medium

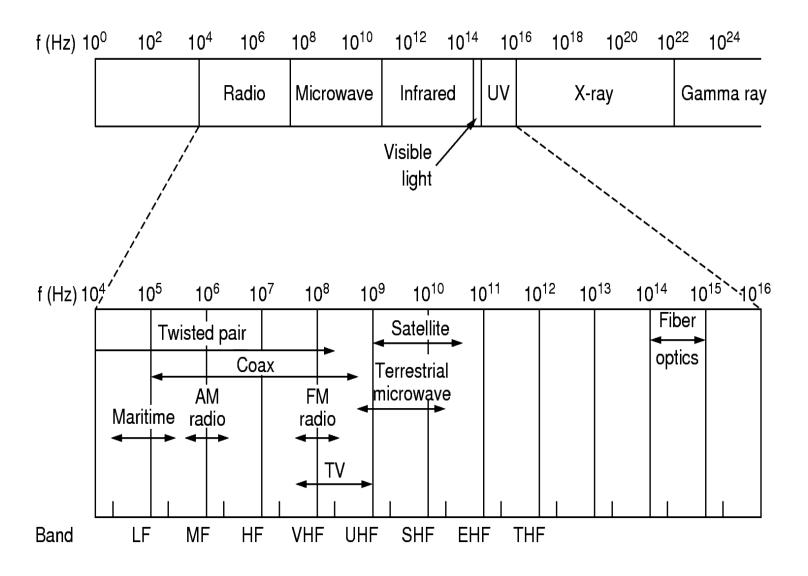


- Outer conductor is braided shield
- -Inner conductor is solid metal
- -Separated by insulating material
- -Covered by padding

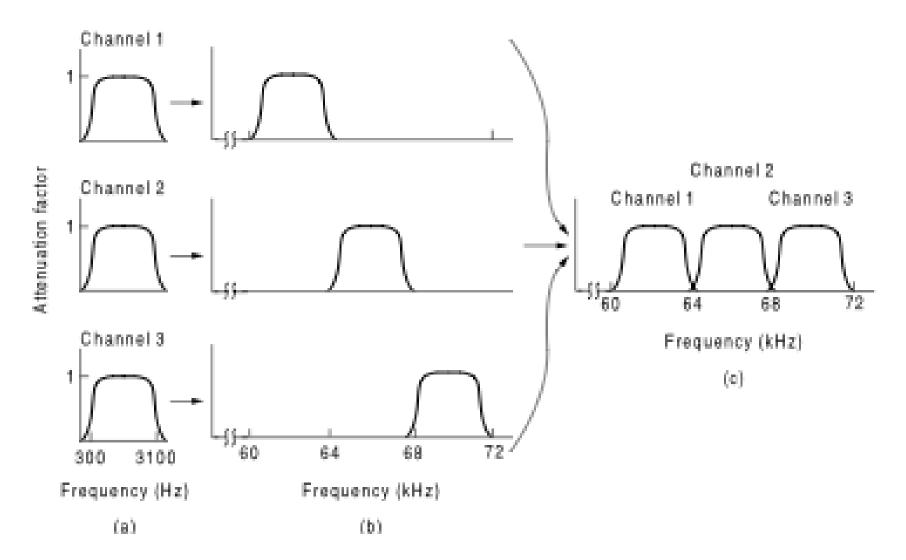
(b) Coaxial cable



Wireless



FDM



TDM

