

Network Communications

Chapter 5

Communication Channels and Media

Twisted Pair Cable

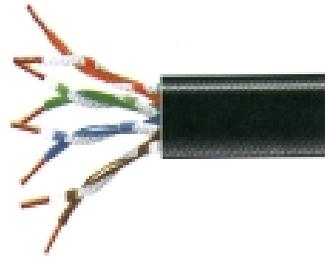


Figure 5.1a: Unshielded

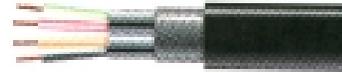
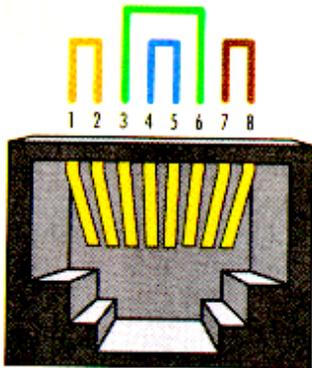
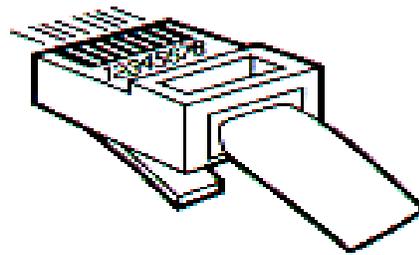


Figure 5.1b: Shielded

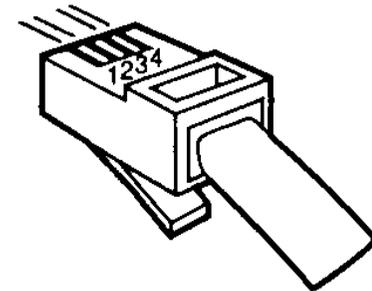
Network / Telephone Connectors



RJ-45 Female



RJ-45 Male



RJ-11

Figure 5.2

Coaxial Cable

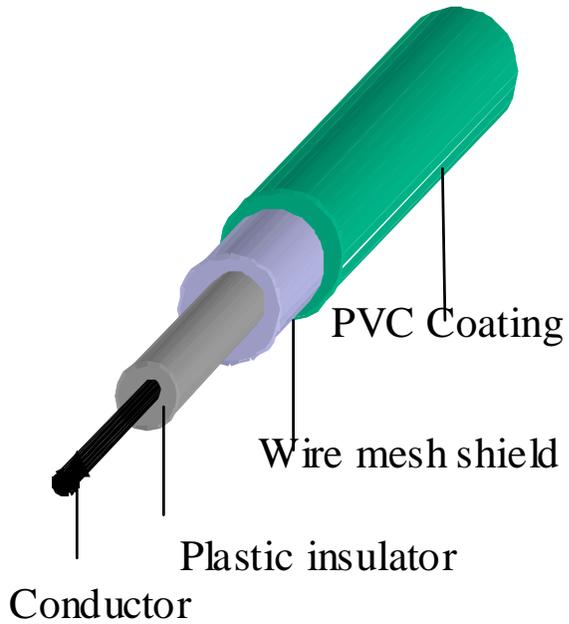


Figure 5.3

BNC Connector

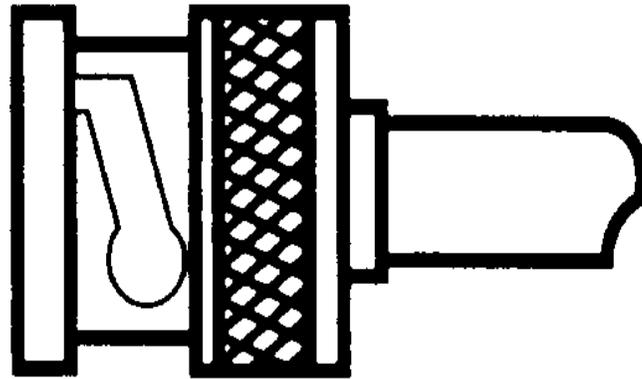


Figure 5.4

Fiber-Optic Cable

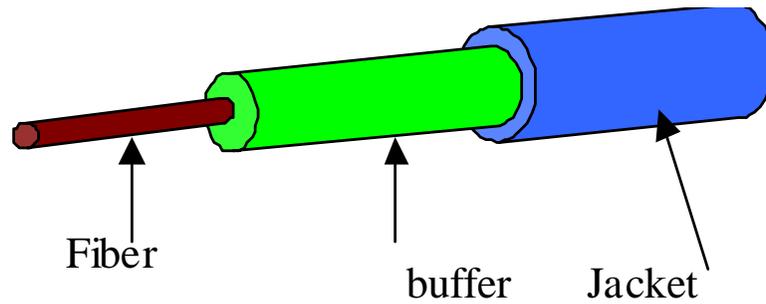


Figure 5.5

Single Mode Fiber

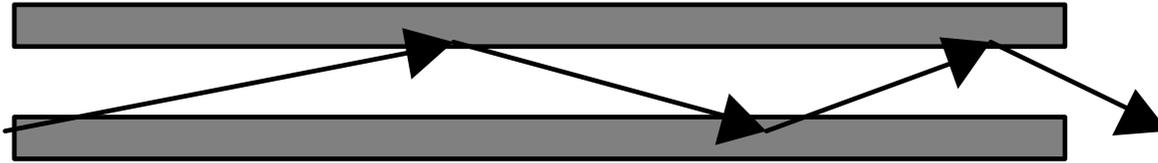


Figure 5.6

Multimode Fibers

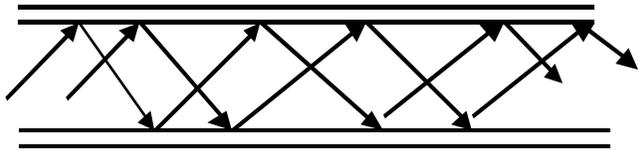


Figure 5.7

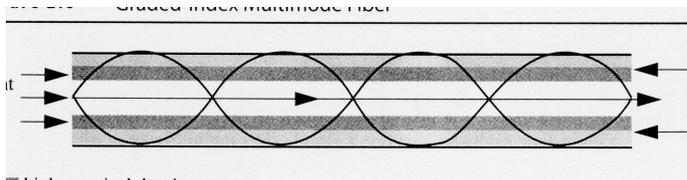
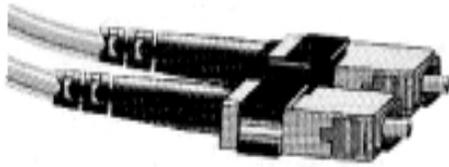


Figure 5.8

Fiber Optic Connectors



SC connector



ST connector

Figure 5.9

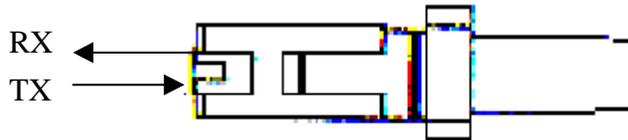


Figure 5.10: MT-RJ

Terrestrial Microwave

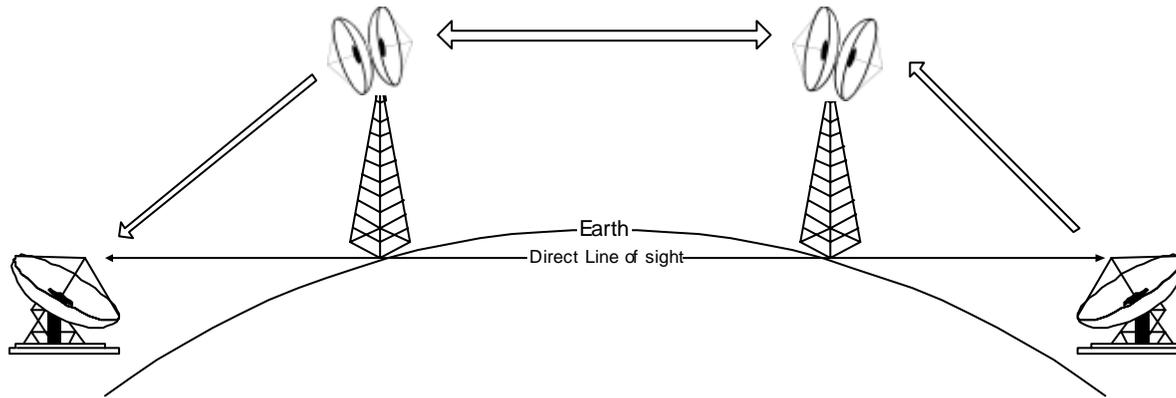


Figure 5.11

Satellite System

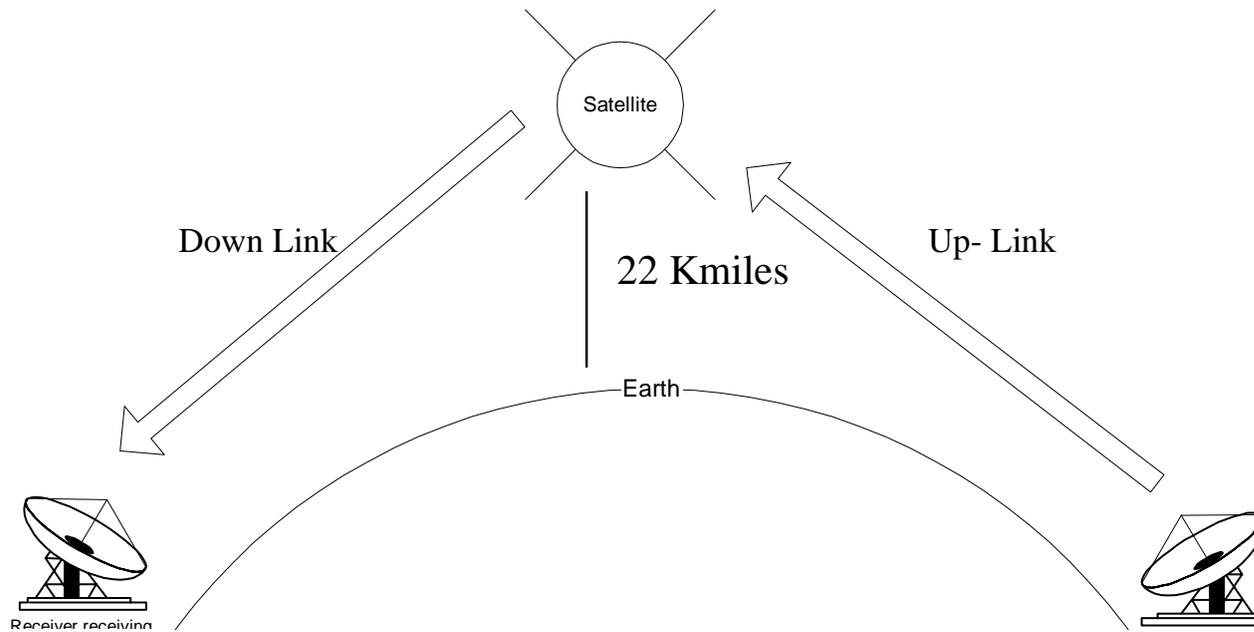


Figure 5.12