



DIFFERENT TYPES OF ***MEDIA NETWORK***

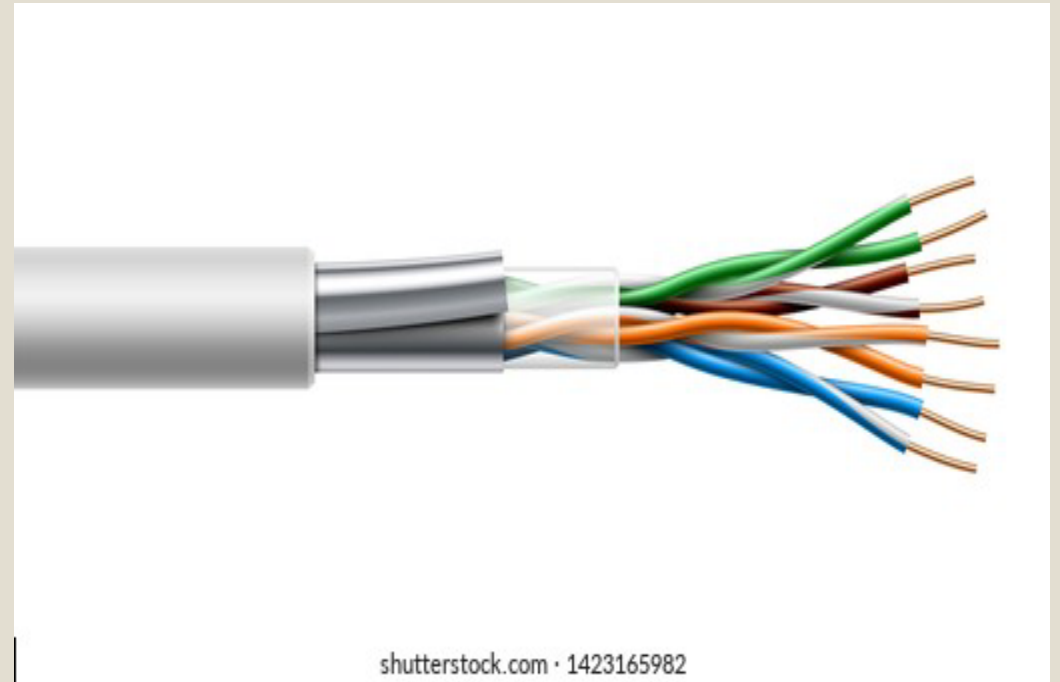
Network Media Types

There are several types of network media commonly used in networking environments. Some of the most common network media types include:

- 1. Ethernet Cable:** Ethernet cables are one of the most widely used network media types. They come in various categories, such as Cat5e, Cat6, and Cat6a, and are used to connect devices within a local area network (LAN). Ethernet cables use copper wires to transmit data and are capable of supporting different data transmission speeds.
- 2. Fiber Optic Cable:** Fiber optic cables use light signals to transmit data over long distances at high speeds. They are commonly used in high-speed networking environments, data centers, and telecommunications networks. Fiber optic cables offer higher bandwidth, lower latency, and greater immunity to electromagnetic interference compared to copper cables

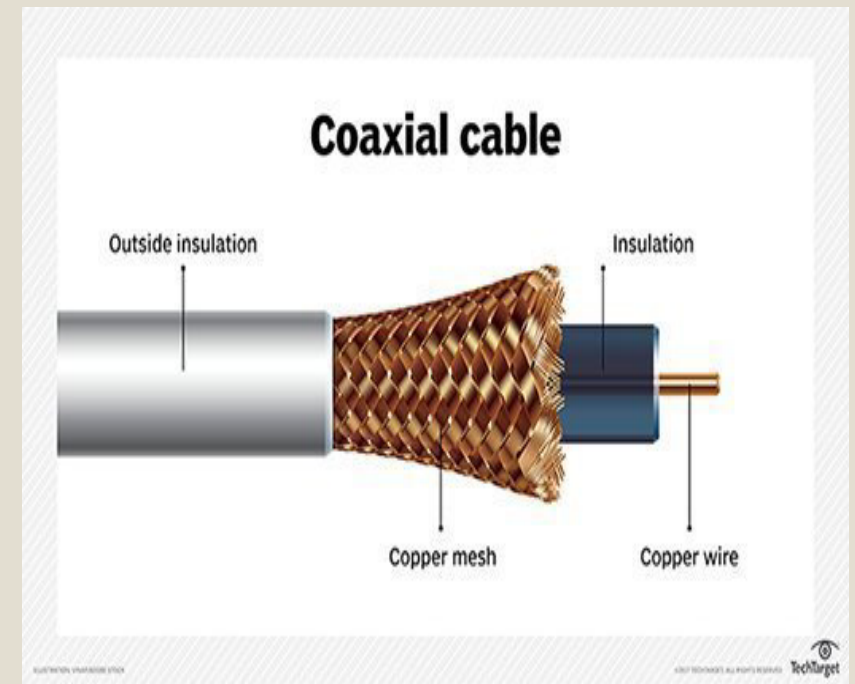
Twisted-Pair Cable

Twisted-pair cable is a type of wiring in which two conductors of a single circuit are twisted together for the purpose of reducing electromagnetic interference (EMI) and crosstalk. It's commonly used in telecommunications and computer networks for Ethernet connections.



Coaxial Cable

Coaxial cable is a type of electrical cable consisting of a central conductor, an insulating layer, a metallic shield, and an outer insulating layer. It's commonly used for transmitting radio frequency (RF) signals, such as those for cable television, internet connectivity, and connecting antennas. Coaxial cable offers good shielding against electromagnetic interference (EMI) and is capable of carrying high-frequency signals over long distances with minimal signal loss.



Fiber-Optic Cable

Some of those benefits include higher bandwidth and transmit speeds. Fiber optics is used for long-distance and high-performance data networking. It is also commonly used in telecommunication services, such as internet, television and telephones.

