Networking Cables and Connectors

As implied by its name, networking cables are linking cords for connecting one network device to another. Sometimes these cables are used for linking multiple computers for sharing networking devices like printer, scanner, etc. Depending on the size, protocol, and topology of functional network, different types of network cables are found in use.

The distance between networking devices may vary within a measured distance (connected by Ethernet) as well as these devices can be aligned with each other at unlimited distances (by using Internet/intranet). The prime functionality of network cables is communication of data from one device to another.

Different types of **networking cables** are available for use, however, the most popular options are coaxial cables, straight-through cables, fiber optic cables, Ethernet twisted pairs, and crossover cables. Let's check these network cables individually from a closer view with their individual functionality.

Straight Through Cables

Also known as patch cables, straight through cables are some of the most used categories of networking cables. These network cables are also called Cat6 the cat stands for word category and the numeral stands for twist and speed. Both the ends of these cables are same. Mostly computers are connected to routers and switches via these straight through cables.

Crossover Cables

It is a kind of Ethernet cable and this type of network cable is mostly used for connecting computing gadgets directly where these devices are supposed to be connected through a network switch, router, or a hub. For example, crossover network cables are used for linking two computers by using their network adapters.

Coaxial Cables

These types of networking cables were used in the initial days for networking. Here a large ring of wire is prepared for setting of network. However, in comparison to today's cable transmission standard the functionality of **coaxial cable** was quite sluggish. These days these types of network cables are sparingly used.

Ethernet Twisted Pair

These network cables are made of copper wires. These are found twisted in pairs and color codes are used for their pair wise identification. The internal twist of wire prevents the risk of cross talks. These meticulous twists are made for prevention of signal loss from one pair of wire to another similar wire pair, thus keeps signal quality consistent.

Fiber Optic Cables

These category of cables are latest launch in industry and presently these are the most used cable type for networking cabling. Commonly, these cables are found with strands or fiberglass coated. Fiber optics cables are used for transporting data in the form of light pulse.

These cables are installed in pairs and separate pairs are used for transmission and reception, respectively. Fiber optic network cables are not vulnerable to any type of electrical short circuits and transmission of pulse rate is quicker than copper wires. Fiber optic cables are indeed costlier option; however, due to its optimum functionality nowadays mostly these cables are used for advanced networking.

These are different networking cables, widely available in market. These cables are available from reputed companies. However, price range for these network cables varies from one to another.

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