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Patch Cable or Cord is an electrical or optical cable which is used to connect one electronic or optical device to another for signal routing. Patch Cables are available in different colours so that they will be easily distinguish. Due to the advanced technology, patch cords includes different types such as Microphone Cables, XLR Connector, RCA Connector etc.. Patch cord must be short as 3 inches (or approx 8cm) so that it will be able to connect stacked components or route signals through a patch bay or as long as 6 meter or more for snake cables.

Mostly Patch cable cat5e are made up of coaxial cables, with the signal carried through a shielded core, and the electrical ground or earthed return connection carried through a wire mesh surrounding the core. Each end of the cable is attached to a connector so that the cord may be plugged in. A patch cable connects two network devices. Patch cables are typically CAT5 / CAT5e Ethernet cables linking a computer to a nearby network hub, switch or router.

There are different types of Patch Cords available in the market such as :

Single-conductor wires using banana connectors

Coaxial Cables using BNC connectors

Twisted pair Cat5, Cat5e, or Cat6 cables using 8P8C (RJ-45) modular connectors with T568A or T568B wiring

Optical fiber cables.

Initially the Cat5 Cable is widely used. But due to the advancement in technology Category 5 has been superseded by the Category 5e (enhanced) specification. The standard length of Cat5e Copper Cable decided by ANSI/TIA/EIA standard is 100 metre. But if someone needs to transfer data at longer speed, one must use switch, or repeaters, if needed. Cat 5e Patch Cables suitable for your data and networking requirements. Mostly all of the Cat5e Cables are flush moulded and colour coded with strain relief boots and all cables are tested to meet all industry standards.

Patch Cable really helps in connecting the electronic devices such as routers, modems etc.. A multipair (usually 4 pair) high performance patch cable that consists of twisted pair conductors, used mainly for data transmission.

Same as Cat5 Cable, its enhanced version, Patch Cable Cat5e also become an official part of 568A Standard. Due to the advanced version, one can easily opt Cat5e Cable which has more features and qualities than Cat5 Cables.

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Vikas writes articles for consumer electronics and categories. He has vast exposure in writing for electronics products. For more information on a [patch cables cat5e](#), cat6 patch cords digital camera cables, smart board cables, cat5e patch cables and cat6 patch cables visit: <http://www.cables.com/>.

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