



World Cord Sets, Inc.

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Cat5e, Cat6, Cat6a



At World Cord Sets, Inc, we carry a wide range of Cat5E, Cat6, and Cat6a Ethernet Patch Cables. Whether you are doing a home, SOHO, business, or data center installation, you can be sure we carry the phone and network cables to meet your needs. Our standard stock cables range from 1FT to 100FT in Black, Red, Yellow, Gray and Blue colors. Other colors are available upon request.

Subcategories

CAT5e UTP Cable



Cat5e Ethernet cables (Enhanced Category 5) are an upgraded version of the Cat5 cable that were made to support 1000Mbps Gigabit ethernet speeds. Cat5e allows you to get 1 Gbps speeds operating at a frequency of up to 100 MHz, due to reduction of crosstalk and other improvements over the Cat5 standard. Cat5e supports speeds of 10BASE-T, 100BASE-T, and 1000BASE-T, allowing it to be backward compatible with older IT equipment. Cat5e Ethernet cables feature the standard RJ45 connector on both sides of the cable, which is the standard connector used in almost all consumer IT products. The maximum length for Cat5e cables at 1 Gbps speeds is 100M. Standard stock lengths are 1FT - 100FT in Black, Red, Orange, Gray, and Blue.

CAT6a UTP Cable



Cat6a (Augmented Category 6) cable is an upgraded version of [Cat6 Ethernet cable](#) and is capable of supporting 10Gbps over 100M runs at a maximum bandwidth of 500MHz. The Cat6a Ethernet cable is noticeably thicker than Cat6 cable due to increased insulation in the cable to help reduce cross-talk between wires. This is one of the only drawbacks of using Cat6a cables as it requires additional space in conduits, cable trays, and patch panels. Cat6a is backward compatible with Cat6 and Cat5e cables, using the same RJ-45 connector. Cat6a patch cables are considered a future-proof cable due to support of 10 Gbps speeds and is commonly installed for commercial network backbones for short pulls where 40 Gbps Fiber speeds are not required.

Crossover Cables



Crossover cables are used to connect same type devices that do not support MDI-X. Older routers, switches, and computers were designed to communicate on specific pins on the ethernet cable, and did not include the auto-detection of wrong pin configurations that today's devices have. When connecting two devices of the same type such as router -> router, switch -> switch, or computer -> computer that do not support MDI-X, you must use a crossover cable to ensure the devices communicate correctly.

Cat6 Molded Boot Cables

Cat6 Ethernet Patch cables with boots.



Cat6 Assembled No Boot Cables

Cat6 Ethernet cables without a boot.

