Glossary

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110 Connector
Insulation displacement connector (IDC) used in modular jacks, patch panels and cross connects.

1000BASE-T
This IEEE standard defines a Gigabit Ethernet local area network running 1000Mbps base band over unshielded twisted-pair cabling. Throughput over 10Base-T is improved by decreasing bit latency periods and increasing packet speeds.

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100BASE-T
This IEEE standard defines an Ethernet local area network running 100Mbps base band over unshielded twisted-pair cabling. Throughput over 10Base-T is improved by decreasing bit latency periods and increasing packet speeds.

10BASE-T
This IEEE standard defines an Ethernet local area network running 10Mbps base band over unshielded twisted pair cabling, typically associated with Category 5.

10GBASE-T
This proposed IEEE standard defines 10 Gigabit Ethernet running 10GMbps over unshielded twisted-pair cabling. Positioned as high speed technology to support Metropolitan Area Networks and other high-demand applications.

66 Block
Cross connect system.

802.11 a/b/g
IEEE standards for wireless LANs. An 802.11a/b/g compatible Wireless Access Point works interchangeably with all three (802.11a, 802.11b, and 802.11g).

AFEXT
See Far End Cross Talk.

ANEXT
See Near End Cross Talk.

AXT
Alien crosstalk (AXT) is electromagnetic noise that can occur in a cable run alongside other signal-carrying cables. The term "alien" arises from the fact that this form of crosstalk occurs between different cables in a group or bundle, rather than between individual wires or circuits within a single cable.

Backboard
Refers to a plywood or metal panel mounted on the wall of a telecom closet to mount the cross connect.

Backbone Wiring
The physical/electrical interconnections between telecommunications closets and equipment rooms. Cross-connect hardware and cabling in the Main and Intermediate Cross-Connects are considered part of the backbone wiring.

Balun
A transformer used to attach coaxial or twinaxial equipment to twisted pair cabling.

Bandwidth
The difference between the highest and the lowest frequencies of a transmission channel (path for information transmission). Identifies the amount of data that can be sent through a given channel. Measured in Hertz (Hz); higher bandwidth numbers mean higher data capacity.

Bend Radius (Fiber)
Radius of curvature that a fiber can bend without breaking. Also see Cable Bend Radius..

BICSI
(Building Industry Consulting Service International) BICSI is a non-profit professional association, for the promotion of telecom industry standards.

BNC
A bayonet style coaxial connector.

Bit Error Rate (BER)
In digital applications, the percentage of bits received in error to the total number of bits received. Usually expressed as a number to the power of 10. For example 10 to the fifth power means that one in every 100,000 bits transmitted will be wrong.

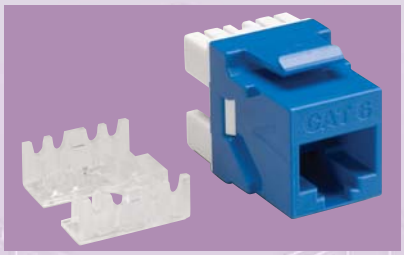
Cable Assembly
A fixed length of cable with connectors installed on both ends. Sometimes called a patch cord, patch cable or jumper.

Cable Bend Radius
The amount of bend that can occur before a cable may sustain damage or increased attenuation.

Category 3, CAT 3
A category of performance for inside wire and cable systems. Commonly used for voice applications and data to 10Mbps. Defined by FCC Part 68, ANSI/EIA/TIA-568, TIA TSB-36 and TIA TSB-40.

Category 5, CAT 5
A category of performance for inside wire and cable systems. Used in support of voice and data applications requiring a carrier frequency of up to 100 MHz. Defined by FCC Part 68, EIA/TIA-568, TIA TSB-36 and TIA TSB-40.

Category 5e (Enhanced), CAT 5e
A category of performance for inside wire and cable. Used in support of signaling rates of up to 100MHz over distances of up to 100 meters. Calls for tighter twists, electrical balancing between pairs and fewer cable anomalies. CAT 5e is intended to support 100Base-T, ATM and Gigabit Ethernet.



Category 6, CAT 6
A cable standard for Unshielded Twisted Pair (UTP) supporting signaling rates up to 250 MHz. Applications include 1000Base-T, ATM, Gigabit Ethernet and applications under development.