

# 10 reasons to choose CAT6A

10

Category 6A is recommended for new installations in healthcare facilities.



Published in 2010, TIA-1179 recommends Category 6A for all new installations in healthcare facilities and was the first standard to recommend Category 6A for new installations outside of the data center.

09

Category 6A is recommended for new installations in educational facilities.



Published in 2014, TIA-4966 recommends Category 6A for new education facilities based on the need for high-performance infrastructure required for wired and wireless connectivity.

08

Category 6A supports 10GBASE-T to 100 meters.



Reaching 10GBASE-T to 100 meters ensures it can support the fastest Ethernet applications over twisted pair media on the market to the full channel length specified in the standards.

07

10GBASE-T provides improved price performance and lower power consumption.



Dramatic improvements to 10GBASE-T over the last few years result in significantly lower overall price and power efficiency per gigabit than 1000BASE-T.

06

Category 6A supports the familiar and backwards compatible RJ45 user interface.



Category 6A supports the tried and true, familiar, and backwards-compatible RJ45 interface. The RJ45 has become a universal interface for a broad range of applications.

05

Category 6A supports new in-building wireless systems that rely on 10G technology.



Wireless needs wires. New in-building wireless systems relying on 10GBASE-T LAN technology and PoE over Category 6A are already in the market.

04

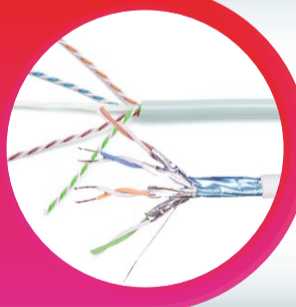
Category 6A supports Wi-Fi technologies already exceeding 1 Gbps.



Today's 802.11ax (aka Wi-Fi 6) access points can have a maximum speed of 6.77 Gbps, which would require a 10GBASE-T connection to operate at the highest data rate they are capable of running.

03

Category 6A is globally available in unshielded and shielded versions.



The debate about the virtues of unshielded and shielded solutions will continue. Category 6A (and CommScope) supports both.

02

Category 6A provides superior performance for Power over Ethernet (PoE) applications.



PoE standards have been updated to use all four pairs in the cable. Category 6A offers enhanced thermal dissipation performance over its Category 5e and Category 6 predecessors.

01

Category 6A offers simple and cost-effective provisioning to support current and emerging applications.



Category 6A offers the most cost-effective and simple provisioning to prepare today's buildings for current and future applications. With 10 gigabit applications starting to emerge, the time is right to consider provisioning the building with the right copper cabling infrastructure based on Category 6A twisted pair connectivity.  
**Lowest cost per transmitted gigabit!**