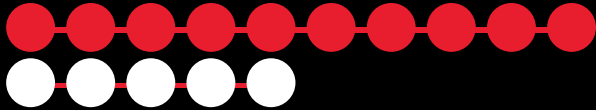# BLACK BOX®

6 REASONS CAT6A
IS IN YOUR FUTURE

Is your organization considering upgrading your existing infrastructure to support digital transformation? A well designed, deployed, and managed cabling solution is the backbone of a modern IT infrastructure that accommodates your technology and transformation goals—and CAT6A is the only cable of choice. It is now the de facto standard for future-proofing cabling infrastructures and here are six good reasons why.
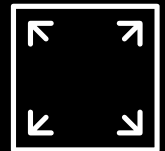
1. Performance & ROI

CAT6A gives you **10X** the performance and **TWICE** the capacity of **CAT6** cables for only 10 to 20% more. It's the smart investment for an infrastructure designed to last **10 to 15 years or longer**.

2. 10GBase-T

This may seem obvious, but data is driving the demand for speed and capacity.10-GbE networks are now becoming widely adopted as the best way to handle that explosion of data.

3. PoE

Power over Ethernet is also exploding. It's estimated that more than **1,000,000** devices, such as cameras, access points, displays, and lights, are now PoE powered. The recommended cable? **CAT6A**.

4. HDBaseT™

HDBaseT enables the transmission of audio, video, power, control, and 100Base-T Ethernet signals over twisted-pair cable. The only cable that gives you a true 100-meter channel, especially with 4K, is **CAT6A**.

5. Wireless

The Wi-Fi 6 (the 802.11ax standard) will change everything. It is capable of delivering speeds up to 10 Gbps, but there is a catch. To get these speeds, the TIA specifies that you need two **CAT6A** links to every access point.

6. Standards and Compliance

Of all of the reasons to choose **CAT6A**, this is probably the most important: to be in compliance with industry standards, all projects recommend **CAT6A**.

End-to-End Structured Cabling Solutions

When considering an IT infrastructure upgrade or a new installation, it is critical to think beyond just the cable itself. Your design must be future-ready and able to scale with growing end-user and business demands. From design, it is important to ensure that the deployment can happen swiftly, with minimal business disruption and is consistent across your enterprise. Finally, a true structured cabling solution will provide you with post deployment support so you can free up internal resources for core business initiatives.

Black Box provides a comprehensive structured cabling solution that will support you from design to deploy to manage so you can implement a network infrastructure that's optimized for whatever applications the future brings. From PoE, IoT, and smart buildings to Wi-Fi 6/5G and 10-GbE, CAT6A will serve you well for many years to come.