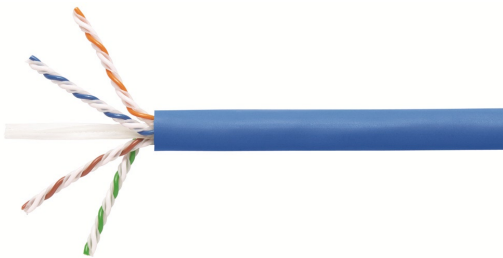


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SYSTIMAX X10D 91 Cabling

For years Beatrice has used SYSTIMAX Structured Cabling (SCS) for customer installations, let alone for our own internal standards, and their uncompromising quality is not the only reason why we will not allow any other manufacturer to be used in our network, nor those networks of our customers. SYSTIMAX is a product line that is manufactured in the USA, and you can instantly tell by the performance and quality of their cabling, outlets, and other supplies as compared to low quality that is manufacture red in China, which in many cases employ toxic chemicals and low grade metal alloys for the actual cabling, and we have tested many of these low-grade products, and have even upgraded our customers to SYSTIMAX, and we have had nothing but praise for how well their network speeds increased. SYSTIMAX outperforms anything that a Chinese manufacture can get past US Customs.



With the convergence of voice, video, and data, SYSTIMAX has the best performing CAT6B cabling on the market; SYSTIMAX GigaSPEED X10D 91 Series Cable. If you are trying to save a buck, and still using outdated CAT5 or CAT5e, you are going to be real sorry down the road. In our consulting business for CommScope, the manufacture of SYSTIMAX, we help our customers choose the right cabling based off of what they will need, not only now, but in the future. You would be surprise how most all new home builders still install CAT5e, and never tell their prospective homeowners that this type of cabling is no longer recognized as the proper international standard due to the convergence of VOIP, video, data, and CCTV security systems. The SYSTIMAX GigaSPEED X10D 91 cabling will accommodate ALL of these applications simultaneously! On the following page is a great article from CommScope that sheds more light on the subject [B](#)

Why Category 6A Is the Best Tech Deal Around

Why Category 6A Is the Best Tech Deal Around

By Ronna Davis, August 24, 2018

I'm a proud bargain shopper. I love nothing more than getting a great product or service for a great price. I may put more effort into bargain hunting than most, but I believe most people appreciate a good deal. My extensive shopping experience tells me that Category 6A cabling is the best technology bargain available today.

Often my teammates and I are asked by clients about the cost difference between Category 6 and 6A cabling. While pricing discussions can be uncomfortable for everyone involved, I enjoy having this discussion. There's not many instances where you get so much more capability with so little additional investment than upgrading from Category 6 to 6A for your network.

The upgrade costs vary from 10 to 20 percent depending on network architectures and your local labor markets. That's not to suggest 10 to 20 percent isn't a significant budget consideration -- it is. However, it's important to remember that it's an additional 10 to 20 percent on approximately 5 percent of your overall IT budget.

That's right. While the performance of all your IT systems is highly dependent on the performance of your structured cabling system, it makes up a relatively small part of your IT budget. Your structured cabling system is typically expected to last through 2-3 technology refreshes. If it doesn't last, it will have negative implications on your IT budget. And nobody wants to consider the cost and disruption of a refresh if the cabling has been under specified.

So, what do you really get for your additional investment in Category 6A?

1. Ten times the network speed of Category 6 and twice the bandwidth.
2. Best support for NBASE-T Multi-Gig applications.
3. Improved thermal performance for Power over Ethernet (PoE)
 - Four-pair PoE will be close to 100 watts.
 - The clear advantages of a single medium for power and data are proliferating development of PoE powered devices.
4. Peace of mind that 5 percent of your IT budget won't keep you from successfully executing the other 95 percent.
 - From high bandwidth wireless applications to augmented reality and artificial intelligence, the applications exist today that need more than 1G.
 - According to the 2018 Future Enterprise survey from Seyfarth Shaw, LLP, "62 percent of business leaders believe Automation and AI will have the biggest impact on their business operations and processes in the next 5 years, and 42 percent of leaders say that adoption of new technologies is their greatest near-term management challenge." Automation and artificial intelligence requires data, a lot of it, from sensors and devices and systems throughout your enterprise.


Why Category 6A Is the Best Tech Deal Around (cont.)

5. Compliance to the many cabling standards that strongly recommend Category 6A for new builds, such as TIA TSB 162 (Wi-Fi), TSB 184-A (PoE), TIA 1179 (Healthcare) and TIA 4966 (Education), to name a few.

I have yet to find a bargain that matches that of upgrading from Category 6 to 6A. It's literally 1,000 percent more performance for 10 to 20 percent more cost. It's the network equivalent of getting a Tesla Model S P90D that goes 0-60 in under 3 seconds for only 20 percent more cost than the 2012 Mia Electric Car that goes 0-60 in 30 seconds. The Mia retailed for approximately \$17,000 USD in 2012. Could you pass up the Tesla for \$20,400? Precisely.

That's why Category 6A is the best technology bargain available today.

Happy bargain hunting!

And if you want to learn more about the benefits of installing Category 6A, check out the NBASE-T webinar we participated in with the chairman of the NBASE-T Alliance 

Source:

<https://www.commscope.com/Blog/Why-Category-6A-Is-the-Best-Tech-Deal-Around/#comments>