

Category 7_A & Z-MAX®

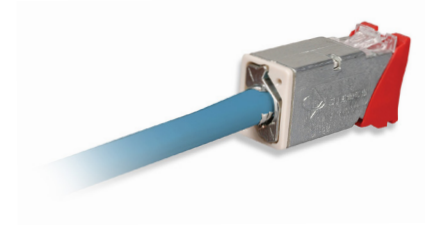
A Powerful Combination for Today's Converged Networks

Shielded Category 7_A Cable and 6A Connectivity... Better Together

With its fully shielded construction and operating frequency of 1000 MHz, category 7_A cable delivers better performance and protection for today's converged networks than any other twisted-pair cable on the market. That means extended reach beyond 100 meters for Type 3 60W PoE lighting applications and no length de-rating for next generation high speed 90W and 100W PoE applications.

And when you combine category 7_A cable with Z-MAX category 6A shielded connectivity, you get the best of both worlds—the industry's highest twisted-pair transmission performance with a familiar RJ45 interface featuring Siemon's patented crowned jack contact geometry for superior support of PoE in converged networks.

- ▶ Delivers 42% more energy efficiency than 24 AWG category 5e and 29% more energy efficiency than 23 AWG category 6A for 60W PoE Lighting applications
- ▶ Extends reach for 10 to 1000 Mb/s 60W PoE lighting applications to 120 meters
- ▶ Category 7A fully-shielded cables with PowerGUARD® technology supports 10 Gb/s PoE applications to 100 meters with no insertion loss length de-rating in environments up to 75°C (167°F)
- ▶ Provides longer distance support than other categories of cabling for 802.11ac Wi-Fi operating at elevated temperatures
- ▶ Allows up to 96 cables in a bundle to support 60W PoE regardless of pathway type
- ▶ Z-MAX outlets with PowerGUARD® technology prevents PoE arcing damage in the mated position via crowned contact geometry
- ▶ Enhances RGB video transmission due to minimal propagation delay skew
- ▶ Offers excellent performance headroom and superior protection against EMI/RFI



Every day, the Internet of Things (IoT) places more PoE-enabled devices on converged networks—everything from IP phones and surveillance cameras, to wireless access points, building automation devices and LED lighting. As PoE standards continues to advance for higher power delivery over all four pairs of a network cable, deploy category 7_A cable with Z-MAX category 6A shielded connectivity for a more powerful combination.

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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