

# GenSPEED® Category 6A Cables

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General Cable recognizes that application and performance needs may vary, which is why the Company is pleased to now offer four 10 Gigabit solutions: GenSPEED® 10 MTP™ Category 6A 10 Gig Cable; GenSPEED® 10,000 Category 6A 10 Gig Cable; GenSPEED® 10,000 Shielded Category 6A 10 Gig Cable; and NextGen® OM3 Fiber Optic 10 Gig Cable.

General Cable's industry-leading 10 Gig solution, **GenSPEED 10 MTP Category 6A Cable**, featuring the new revolutionary **Mosaic Crossblock™** technology, provides an Unshielded-Twisted Pair (UTP) cable that performs like a Shielded or Foiled-Twisted Pair (STP/FTP) cable.

GenSPEED 10 MTP's Mosaic Crossblock technology shields the cable from noise coming from external cable sources, which is referred to as alien crosstalk (PSANEXT and PSAACRF). The Mosaic Crossblock was carefully designed with metallic blocks separated by an insulating layer. Since there is no metal-to-metal contact, there is no path for current to flow longitudinally, and thus, no need for grounding.

General Cable's second offering, **GenSPEED 10,000 Category 6A Cable**, is a cost-effective, standard-compliant 10 Gig UTP cabling option designed to meet ANSI/TIA 568-C.2. Perfect for component upgrades, this cable is fully backward-compatible to legacy infrastructures and prepares your system for future 10 Gigabit applications. GenSPEED 10,000 solves the One Gigabit limitation of Category 5e and Category 6 and is an ideal solution for bandwidth-intensive applications. Ask your General Cable representative about our 17 FREE™ line of riser-rated GenSPEED 10,000 cables, which may qualify for LEED credit from the U.S. Green Building Council.

Next, General Cable offers two shielded options in Category 6A. **GenSPEED 10,000 U/FTP** is designed with individually shielded pairs for optimized isolation and immunity from external noise characterized by power sum alien crosstalk (PSANEXT) in cable bundles. GenSPEED 10,000 F/UTP is an overall shield design. Shields are an extremely effective way of protecting the cable from outside noise ("alien sources") by moving the electromagnetic energy away from the pairs and directing it through the shield and drain wire to the ground. Of course, U/FTP and F/UTP cables are only effective if they are properly grounded. GenSPEED 10,000 Shielded cables offer you the ultimate PSANEXT protection.

Last but not least, General Cable rounds out its 10 Gig offering with **NextGen OM3 Fiber Optic Cable**, the optimum in 10 Gb/s fiber (which can be found in our Fiber Optic Catalog). General Cable has partnered with Corning® Optical Fiber to supply you the world's most technologically advanced optical fiber cables. The bandwidth is ensured by minEMBc, and uniformity provides field performance of shorter lengths. With 100% testing on this product, you don't have to worry about performance and reliability. Your cabling system will be future-proofed, because all NextGen 10 Gb/s fiber exceeds the specifications to which it is sold, typically allowing for more system margin and extended reach.

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