

Supra 10G F/UTP

Category 6A Shielded Solutions

The Best Solution for 10-gigabit Applications

A 10-gigabit solution that includes HCM's Supra 10G™ F/UTP cable will offer cutting-edge performance, will be less expensive to install than most competitors', and is backed by the best warranty in the industry, lifetime. If you are considering installing a 10-gigabit solution, choose HCM's Supra 10G™ F/UTP cable. The importance of a dependable LAN in today's business environment is unquestionable. It's your network. Wouldn't you choose the best?

Performance That Exceeds the Standards

Though Category 5e and Category 6 UTP cables have been the cables of choice for Local Area Networks for a number of years, the promise of 10-gigabit Ethernet to the desktop has necessitated the development of a new level of cable performance. Category 6 Augmented (6A) establishes cable performance requirements out to 500 MHz. HCM's shielded Category 6A cable, Supra 10G™ F/UTP, exceeds this standard. In fact, HCM is the only cable manufacture to offer a Category 6A F/UTP cable verified for electrical performance by UL to the Category 6A standard. And doing so was no easy task. In fact, Category 6A verification requires a bundle of 7 test cables (6 around 1) to be tie wrapped every 8 inches for 100 meters. The cable in the middle, the victim cable, is then tested while all six other cables are energized. This design is intended to represent the worst-case scenario in an installation environment. HCM's Supra 10G™ F/UTP passed with flying colors.

The Advantage of F/UTP

With the advent of 10-Gigabit Ethernet to the desktop came a term new to many, Alien Crosstalk. Alien Crosstalk (AXT) occurs when signal from one data cable jumps to an adjacent data cable, thus corrupting transmitted signals on that cable. With the frequency range of 10-Gigabit Ethernet reaching up to 400 MHz, AXT has become a serious factor in cable performance. Shielded cables help limit AXT by placing a foil barrier between adjacent cables. F/UTP cables also limit Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI). In a metropolitan area, these types of interference can originate from numerous sources, such as motors, fluorescent lights and lightning. F/UTP cable can also be installed near electrical cables. So, being in close proximity to them, such as in modular furniture, will not negatively impact performance. And, since a shielded system requires proper bonding and grounding, the resulting network is actually quieter than a typical UTP system.

Increased Savings

Space costs money. In a contemporary construction project, cable pathways and cable support materials can become a significant cost factor. Category 6A F/UTP cable has a smaller diameter than similar UTP cable. This smaller diameter helps reduce expenses by permitting higher fill ratios in conduit and cable tray. Supra 10G™ F/UTP also utilized a single foil shield that surrounds all four pairs. This construction is easier and faster to terminate than some competing products.

To learn more about HCM's Supra 10G™ F/UTP cable or any other high performance HCM cable, please visit our website.

✿ Independent verification by UL to the Category 6A standard TIA/EIA 568-B.2-10

✿ Smaller O.D. than comparable UTP cables

✿ Supra 10G™ F/UTP utilizes a single foil shield making termination quicker & easier than other cables.

✿ Guaranteed Category 6A performance when mated with shielded connectivity from Leviton, Hubbell, Ortronics, AMP, Siemon and other 6A compliant connectivity.

✿ Lifetime Warranty on the solution when installed by an HCM certified installer

✿ Available in CMR and CMP constructions

