

SYSTIMAX®

SOLUTIONS

DuPont Combines Fire Safety and Performance Using SYSTIMAX® GigaSPEED® Plenum Cabling

Groundbreaking project pioneers use plenum-rated horizontal UTP cable for voice, data and video network at flagship Hong Kong office

When DuPont planned its new office in Hong Kong, it wanted its workforce to enjoy the best available network performance and the highest standards of fire safety as 'safety' is one of its core values. The structured cabling solution it chose not only provides end-to-end throughput in the gigabit range but is also plenum rated to meet some of the world's toughest fire protection codes.

Operating in more than 70 countries, DuPont supplies products and services to markets including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and apparel. Like all its offices in the world, the company's newly built 4,500m² office in Hong Kong housing more than 200 employees needs top quality communications to serve its customers.

To meet LAN connectivity demands in the building, DuPont selected the SYSTIMAX® GigaSPEED® Unshielded Twisted Pair (UTP) solution. Nearly 40,000 meters of this copper cable has now been installed connecting more than 1,500 voice, video and data outlets. For extra fire safety, the company specified the plenum rated GigaSPEED cables, making it one of the first offices in Hong Kong equipped to this standard.



Both current and future communications needs of DuPont are satisfied by the GigaSPEED Solution. This cabling has performance that is substantially better than the requirements specified in the Category 6 cabling standard, so it can comfortably support Gigabit Ethernet and has potential to handle multi-gigabit systems in the future. It also has a reputation for long-term reliability and error-free transmission, even under adverse noise and network traffic conditions, maintaining high performance and minimizing downtime.

In addition to its reliable transmission capability, the specified cable provides an added-value that is of utmost importance to DuPont, that is 'safety'. "For 200 years 'safety' has been part of DuPont culture.

“At SYSTIMAX® Solutions, we are proud to provide customers with the highest performing, highest quality and safest LAN cabling. Working with DuPont, we helped create a world–class office environment that not only meets current and future operational needs but also provides an extra level of fire safety.”

Mr Leo Lee, Sales Director, SYSTIMAX Solutions™, Hong Kong

Cables, when installed across the whole office, can be a safety hazard as fire can spread quickly along the cables to reach different corners of the building. "We selected SYSTIMAX GigaSPEED plenum cable insulated with DuPont™ Teflon® FEP because it offers superior fire safety while delivering quality electrical performance," said Mr Chuck Li, Chairman of Central Safety Committee of Du Pont China Limited.

Insulated with Teflon® FEP, the SYSTIMAX plenum cable has excellent fire safety performance. In a fire situation, flame spread is limited. This helps minimize the advance of fire, providing more time to evacuate the building and limiting damage to property and equipment. It also generates less smoke than comparable cabling so, when there is a fire, its can improve visibility for evacuation and rescue teams.

The infrastructure was designed and installed by SYSTIMAX BusinessPartner, M. Moser Technology International. Complementing the GigaSPEED

copper solution, it uses multimode SYSTIMAX OptiSPEED® fiber in the backbones to link communications rooms.

These communications rooms are equipped with PATCHMAX® RJ45-type patching hardware. This allows moves, adds and changes to the horizontal GigaSPEED connections running under the floors to groups of two or three outlets at each workplace. The whole network is configured for high availability with redundant backbone connections to give extra resilience.

"At SYSTIMAX Solutions, we are proud to provide customers with the highest performing, highest quality and safest LAN cabling," said Leo Lee, Sales Director, SYSTIMAX Solutions, Hong Kong. "Working with DuPont, we helped create a world-class office environment that not only meets current and future operational needs but also provides an extra level of fire safety."

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