

# Fiber Optic Technology™

FORMERLY FIBEROPTIC PRODUCT NEWS™

TECHNOLOGY AWARD [SEPTEMBER 2005]

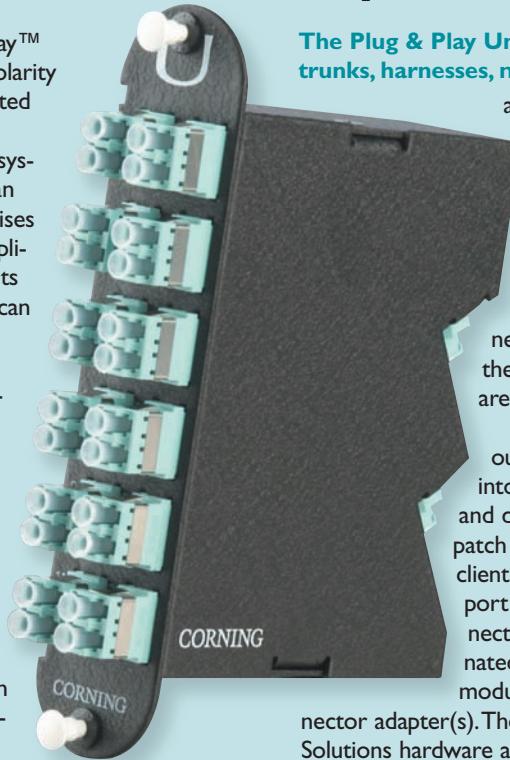
## Plug & Play™ Universal System

Corning Cable introduces its Plug & Play™ Universal System, which eliminates polarity concerns in the field through a patented manufacturing process.

The preterminated optical fiber cabling system streamlines the process of deploying an optical network infrastructure in the premises environment, particularly in data center applications. Modular, preterminated components of the system are simple to configure and can be installed, connected and operational quickly.

The system has no special polarity components, avoiding the polarity problems caused by incorrect placement of modules and jumpers. The modules and harnesses are wired the same way to simplify system assembly, and all components in the system connect to one another the same way, every time.

The system allows two or more MTP® connector trunks to be linked together; high-fiber-count trunks can be routed to an intermediate distribution area where smaller-fiber-count trunks are interconnected and distributed to zone, station or cabinet areas. The MTP connector is a 12-fiber push/pull optical connector with a footprint similar to the SC simplex connector. These high-density connectors are used to accelerate the network cabling process, minimize errors and reduce space. The trunks, utilizing MTP connectors, support from 12 up to 144 fibers. The connector allows the use of a compact, 12-fiber ribbon-based cable. New enhanced trunk furcation plugs and pulling grips make the preterminated trunks easy and quick to install. The reusable pulling grip has a smaller form factor design and incorporates a quick entry zippered system to access the inner protective sleeve assembly. The inner sleeve design offers connector protection and fast, intuitive access of the preterminated



The Plug & Play Universal System features trunks, harnesses, modules and patch cords.

assembly for rapid network deployments.

Extender trunks are used to distribute portions or all of the fibers in a Plug & Play Universal System's trunk to other areas in the infrastructure. Extender trunks are manufactured with pinned MTP connectors on one end of the cable trunk and non-pinned MTP connectors on the other end. The pinned connectors mate with the non-pinned connectors of the system's trunk and the non-pinned connectors are plugged into the module or harness.

The system's CCH modules are used to break out the connectors terminated on trunk cables into simplex- or duplex-style connectors. Simplex and duplex-style patch cords can then be used to patch into system equipment ports, patch panels or client outlets. The module features simplex or duplex port adapters across the front and one or two connector adapters across the back. A factory-terminated and tested optical fiber assembly inside the module connects the front adapters to the back connector adapter(s). The modules fit into LANscape® Pretium™ Solutions hardware and are available with 12-fiber configurations for ST compatible, LC or SC duplex connectors and 24-fiber configurations for LC connectors.

Harness assemblies are used to break out the 12-fiber connectors terminated on trunk cables into simplex- or duplex-style connectors. The assemblies have a pinned connector on one end that connects to a trunk. The other end is equipped with simplex- or duplex-style connectors and is designed to accommodate many ranges of leg length requirements to ease fiber routing.

The system provides a simple migration path between two-fiber and parallel applications.

**Corning Cable Systems**

Use **InfoLINK** 007-50901-300 or Call 800-441-6180

Technology Award

