



## Product Focus

### LANscape® Passive Optical LAN (POL) Solution

POL is an alternative backbone technology that replaces traditional Ethernet network aggregation electronics and copper cables with passive optical splitters and single-mode fibre. **It brings fibre straight to the desk or room.**

It's very well suited for buildings or campuses with **over 200 network users and where space is at a premium.** What's more it provides:

- **Simple, secure and highly reliable** architecture with the capacity to meet higher bandwidths as demand grows
- **20-50% CAPEX savings** when compared with traditional copper-based LANs
- **Up to 50% OPEX savings** when compared with traditional copper-based LANs

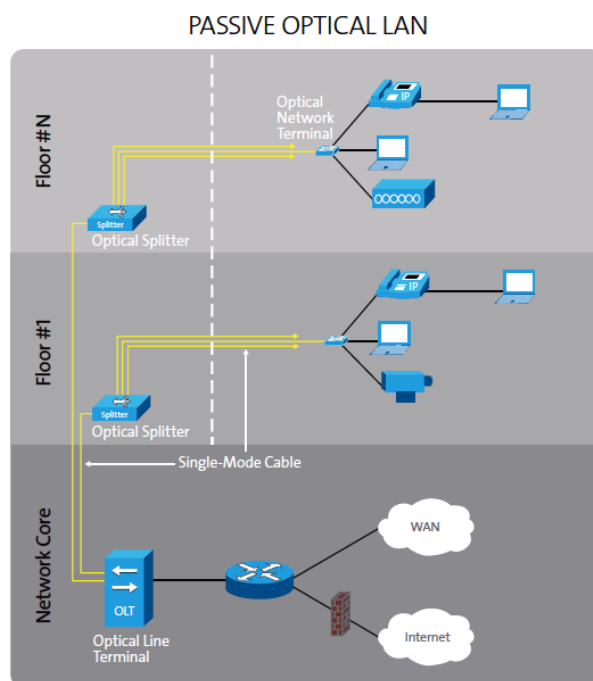
Corning's POL solution is changing the game, providing opportunities to bring added business value and improve return on investment:

- **The smaller footprint** of POL reduces or eliminates the need for wiring/communications closets, freeing up floor space or providing extra revenue generating space
- **Fewer active electronics** reduces energy needs, requires less maintenance and troubleshooting, and reduces the time and cost to provision projects
- **High reliability** using Corning optical splitters with proven "five nines" reliability and Corning® ClearCurve® ZBL single-mode fibre that reduces risk of downtime from bent, pinched, pulled or twisted cables throughout the lifetime of the network
- **Added flexibility** from pre-terminated and field-terminated options with low-skill installation and simple network design for faster upgrades and easier MACs

If you are evaluating a network upgrade project and looking to reduce network operating expenses, improve green credentials and increase the bandwidth to the room or desk, then consider POL as an alternative architecture. It's already widely used in government, healthcare, higher education and hospitality sectors.

Please view the latest collateral for further reference:

LANscape® Passive Optical LAN Solution – [download our brochure](#)



## Product Updates

### Data Centre Product and Content News:

#### Pretium EDGE® Harnesses

The ultimate high-density (HD) solution for Core and Distribution Switch port hotspots in data centres:

- Reduce the number of connectors and the amount of patch cables in the infrastructure
- Provide faster installation, avoid excess cable lengths, aids cooling and saves space
- Access a single port without disrupting data traffic on other ports
- Easily manage the hundreds of patch cables in the rack

One of the critical challenges in HD computing areas in the data centre is how to provide high port concentration deployments, to support the latest generation of high-speed switches, without losing them under a mass of cables.

***Example: Switch cabling without harnesses:***

*Today's Core or Distribution Switches use SFP+ (LC interfaces) for 10 Gigabit Ethernet or 8 Gigabit Fibre Channel, typically providing 48 ports (96 fibres) per I/O module. Take a Cisco Nexus 7010 or the Brocade DCX 64 SAN Switch. Each switch chassis accepts 8 I/O modules, requiring **384 LC ports, or 768 fibres** for 10 Gigabit data transmission, and there could be more than 1 chassis per rack.*

The Harness is an ultra slim 12-fibre (2.0 mm) pre-terminated cable with an MTP connector on one end and typically 6 LC Duplex connectors on the other end. The majority of the harness is a single cable, which breaks out into 6 duplex, optical fibre cable legs to enable connectivity to the switch ports. In addition, Corning provides harness options with staggered cable legs that replicate port layouts of different switch vendors to avoid excess cable leg lengths.

***Example: Switch cabling with Pretium EDGE Harnesses:***

*You only need **8 harnesses per I/O card or 64 Harnesses** to support the whole switch chassis **rather than 384 LC Duplex Patch cables**. With less cables it makes it much quicker to deploy, much easier to route cables around the rack, contributes to improved cooling and provides easy access to individual ports without the risk of disturbing or disconnecting opposing ports.*

#### *Harnesses with Pretium EDGE Advanced Optics Solution:*

Harnesses with Pretium EDGE Advanced Optics Solution:

Pretium EDGE AO 6 port adapter panels provide a single row of MTP adaptors, which can be used with harnesses to easily connect backbone trunks through to the core switch. The Pretium EDGE-01U-SP housing can accommodate 12 adapter panels, supporting up to 72 (Base 12) MTP Ports (864 fibres). That means you only need a single 1U housing to support a core switch, whilst the same solution using LC Duplex patch cables would require 6 Pretium EDGE-01U-SP housings.

To learn more about Corning's Pretium EDGE Harness solutions please click [here](#)

#### **Corning Products are DCIM ready**

- Make your DCIM deployment faster and easier!

Corning's Pretium EDGE Solutions LC Uniboot Duplex and MTP Patch Cords are now shipping with unique, machine-readable barcodes as well as human-readable serial numbers. Part numbers and costs remain unchanged.

- Utilise our barcode labels as a means of tracking and managing physical assets

- Load your DCIM infrastructure data using a handheld scanning device
- Save time identifying patch cords and prevent accidental removal of the wrong cords
- Avoid the need to create your own DCIM component labels

Corning is working with the leading suppliers of DCIM solutions to load Corning components into their databases. However, we do not offer, support or recommend a particular DCIM software solution.

- Corning Pretium EDGE Solutions products have been pre-loaded into the component database for the Cormant-CS DCIM software solutions
- DCIM data packages to other software providers can be provided on demand

## LAN Product and Content News:

### New Case Study – ThyssenKrupp

Our case studies enable organisations with cable infrastructure challenges to better understand how other companies are benefiting from Corning products and solutions.

The latest published case study focuses on a new campus LAN and data centre deployment for the ThyssenKrupp Quarter in Essen, Germany. The cabling solution supports IT, communications and building automation (lighting, heating, sun protection, security) requirements. Covering over thirteen buildings accommodating approximately 3,500 employees the cabling project needed to provide a strong return on investment and meet key success factors, including the support of a sustainable environment.

[Click here](#) to download the case study and read on.



### Copper Products – New GOP Boxes

The FutureCom™ Grid Outlet Port (GOP) is designed for high-density work areas such as trading floors, call centres and back office desks.

- Supports 4-port and 6 port deployment of Corning's FutureCom™ copper cabling solutions
- Houses 4 or 6 FutureCom™ LJ6C shuttered Adapter Modules (38x25mm), inclined, for use with a wide variety of Corning copper jacks:
  - S250 Cat.6 (LANscape)
  - xs500 Cat.6<sub>A</sub> (Keystone)
  - S500 Cat.6<sub>A</sub> (LANscape & Keystone)
- Ports are presented with a low profile for the neat deployment of patch cords



Download the product datasheets for more information:

[FutureCom Grid Outlet Port \(GOP\) Box unloaded for four outlet ports](#)  
[FutureCom Grid Outlet Port \(GOP\) Box unloaded for six outlet ports](#)

Part numbers for the two sizes of the GOP box and its accessories are:

[WAXWAB-00408-C001](#)

GOP box for 4 module housings 38x25 inclined, housing and cover black

[WAXWAB-00608-C001](#)

GOP box for 6 module housings 38x25 inclined, housing and cover black

[WAXWSE-00000-C001](#)

Clip for installation of GOP box on any surface, pack of 10 pieces

[WAXWSB-00008-C001-3M](#)

Corrugated tube, 3m, trunk holder, 2 pcs. glands, black, for GOP box

Further information on the LJ6C shuttered Adapter Modules can be found in the online catalogue:



Part Number: [CAXCOE-S0101-C002](#)  
[FutureCom™ LJ6C shuttered Adapter Module, 38x25mm, inclined, for 1x Keystone jack](#)

Part Number: [CAXCSE-S0101-C002](#)  
[FutureCom™ LJ6C shuttered Adapter Module, 38x25mm, inclined, for 1x LANscape® jack](#)