Amphenol
Datacenter Solutions

Legend:
- Copper Cable
- Fiber Distribution Cable
- Fiber Patch Cable

EDA

HDA

MDA

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Market Challenges

📄 Complexity and time needed to connect users to fiber network

💲 Availability of skilled and efficient labor is limited and costly

⇄ Traditional networks are built using fusion splice techniques

👤 Frequent on-site visits for installation and provisioning

Amphenol's Solution

High-density and scalable connectivity solutions to handle the increasing demands for bandwidth and speed

- ✓ Less technical expertise required to install
- ✓ Scalable connectivity solutions
- ✓ Enable high-speed data transfer
- ✓ Enhanced reliability and uptime
- ✓ Reduces connection errors

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Datacenters

Amphenol

1 — Trunk Cables
Pre-terminated cable assemblies for backbone and horizontal cabling

- Used for fixed cabling between network cabinets
- Preassembled with MPO cables, our solution is application independent and system orientated.
- Fiber cabling up to 288F and beyond
- Increased density provides significant reduction in installation and labor costs
- Customized to fit your application

2 — Patchcords
Flexible cables used to connect network devices

- Connect active devices and distribution technology in short distances
- Used to connect optical equipment, panels, racks within the premise
- Available with different fiber and connectors types: LC, MPO, SC, and VSFF
- Available in a variety of cable designs and lengths
- Custom configurations available upon request

3 — Racks and Panels
Enabling fiber and power distribution patching and distribution

- Dense, modular, and tray based chassis solutions to enable connectivity up to 400G
- High Density interconnect or cross connect ODF provides solution for growing fiber density
- Fiber Panels equipped with MPO trunk cables to reduce fiber congestion in raceways
- Modular and agile distribution frames designed for rapidly changing dense environments

4 — Traceable Solutions
Cables with built-in identification for easy tracing

- LED indicator at both ends of jumper
- Flashlight style tool to apply power to one end of jumper to easily identify the far end of a jumper
- Eliminates errors due to mislabeling, missing labels or confusion in high density frames
- Reduces Opex costs by reducing installation, maintenance and trouble shooting time

5 — Fiber Adapters
Small form factor designed for quick & easy connection

- Stackable LC and MPO adapters aggregate a high number of connections in a small footprint
- Standard and Shuttered options- SC, LC, MPO, ST, FC
- EMI adapters in straight and angled configurations
- Protective dust caps keep adapter clean from dust

6 — AOC Cables
Integrating fiber optics and electronics for data transfer

- High performance, low power consumption, long reach interconnect solution
- Supports Infiniband, Gigabit Ethernet, Fibre Channel, and SEial Attached SCSI
- Provide a high density, high bandwidth solution while exceeding industry standards for performance
- AOC's link distance to 100m, 3x port density over SFP+

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Amphenol FIBER OPTIC PRODUCTS