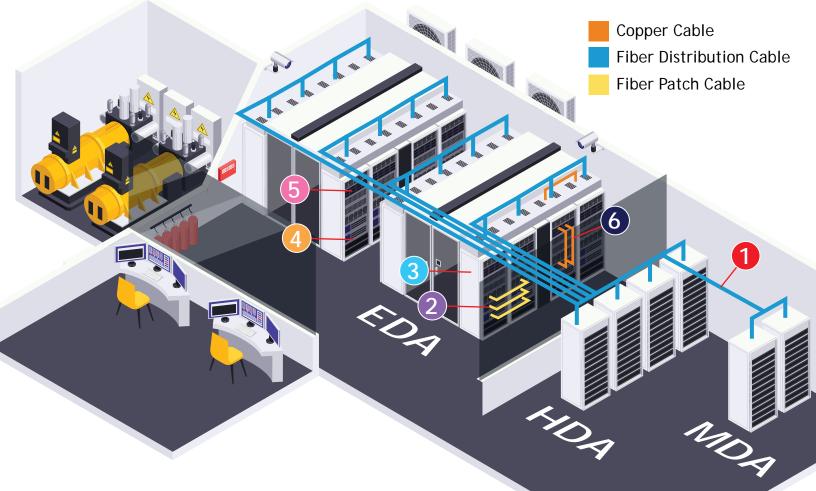
# Amphenol

# **Datacenter Solutions**





# Market Challenges



Complexity and time needed to connect users to fiber network



Traditional networks are built using fusion splice techniques

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Availability of skilled and efficient labor is limited and costly

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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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# **OUR PRODUCT PORTFOLIO FOR**

# Amphenol

# Datacenters

#### **Trunk** Cables

Pre-terminated cable assemblies for backbone and horizontal cabling

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

## Patchcords

- **rds** Flexible cables used to connect network devices
- $\checkmark$  Connect active devices and distribution technology in short distances
  - $ot\!\!\!/$  Used to connect optical equipment, panels, racks within the premise
- $\checkmark$  Available with different fiber and connectors types: LC, MPO, SC, and VSFF
  - $^{
    m imes}$  Available in a variety of cable designs and lengths
- Custom configurations available upon request

## Racks and Panels Enabling fiber and power distribution patching and distribution

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

## **Traceable Solutions**

#### Cables with built-in identification for easy tracing

- LED indicator at both ends of jumper
- V 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

## **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

## AOC Cables Integrating fiber optics and electronics for data transfer

- $\checkmark$  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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