



LUMALINK MPO OPTICAL TRACE CABLE ASSEMBLY

Industry-leading Wireless Telecommunications Company Enlists to Molex to Shed Light on Simplifying Data Center Networking

BUSINESS CHALLENGE

Data centers often include hundreds of cables, making cable management a challenge when it comes to maintenance, upgrades or even having enough real estate when increases in speed or processing capability need to be made.

Despite even the best efforts, cables become tangled and difficult to identify and, as a result, installers and technicians must spend time unnecessarily tracing cables, identifying and labeling them, determining if there's slack, etc.

It's a problem that data center managers for an industry-leading wireless telecommunications company know all too well— and they turned to Molex for a solution.

SOLUTION

To solve their cable management challenges in the company's vast data centers, the customer knew they needed something more than what was on the market at the time. They had originally used LC tracer cables, but those provided illumination only at the end points, meaning technicians were still forced to trace the cable run themselves to determine which ones needed attention. What the customer wanted was illumination along the length of the cable, but without any increase in the diameter of that cable.

Molex engineers designed a solution — the LumaLink Optical Trace Cable Assembly – to illuminate the cable, combining optical cables and an electroluminescent wire, but then were faced with the challenge of providing power to the cable to illuminate it. To solve that challenge, engineers designed a magnetic power connection which allows for the illumination of the cable, from origin to endpoint, making specific cables easily and quickly identifiable. Molex also ensured the use of high-density MPO connectors, which connects the 12F optical cable and a push-pull housing that provides quick and reliable connections.



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BENEFITS

LumaLink Optical Trace Cable Assemblies with high-density MPO connectors feature full illumination of the entire cable to facilitate advanced cable management by providing 100% visual identification of start and endpoints, slack storage locations and routing. It assists data center technicians with:

- Cable identification
- Cable management
- High-density interconnects

To learn more www.molex.com/link/lumalink.html

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