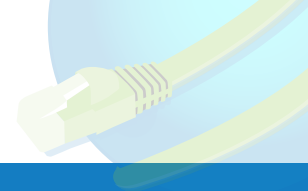# Technology Highlight

High speed networks | High performance Enterprise solutions | 10GbE to 600M Manufactured in the U.S. | Reliable Industry leading technologies

ClearLine Networks LLC

Enterprise Cabling Solutions

Next-generation multimode fiber to meet your unique application speed, distance, and cabling pathways requirements.

Berk-Tek® LEVITON®
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UNPARALLELED RETURN ON INFRASTRUCTURE INVESTMENT

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Introducing OM4

Meet next-generation 40 and 100 Gigabit Ethernet speeds

The explosion in demand for bandwidth in enterprise networks is driving an urgent need for higher Ethernet network speeds. What is the new medium of choice?
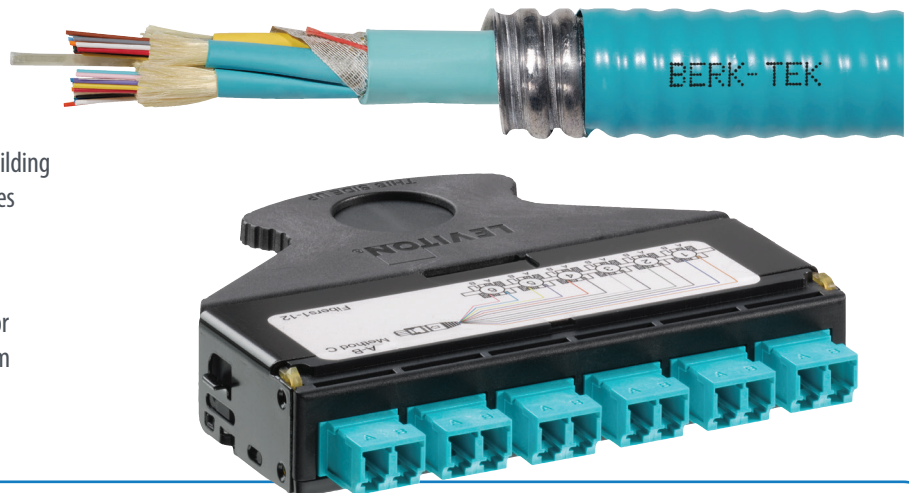
OM4, a laser-optimized multimode fiber, is capable of pushing data nearly twice as far as OM3, and is the only fiber capable of handling the coming 40/100 Gb/s speeds.

Fiber Class	1 Gb/s Link (850nm)	10 Gb/s Link (850nm)	40/100 Gb/s (parallel links, 850nm)
OM1 (62.5 micron)	275 meters	33 meters	NIA
OM2 (50 micron)	550 meters	82 meters	N/A
OM3 (50 micron)	1100 meters	300 meters	N/A
OM4 (50 micron)	1100 meters	550 meters	**150 meters**

> High-speed, high bandwidth optical fiber systems for 10GbE and higher performance

Key Features of OM4 Fiber

- supports Ethernet, Fibre Channel, and OIF applications
- Allows reach to 550M at 10 Gb/s for ultra long building backbones and medium length campus backbones
- Effective Modal Bandwidth of 4700 MHz-km
- 50 µm laser-optimized fiber
- Backward compatible with applications calling for OFL bandwidth of at least 500 MHzkm at 1300 nm

Ask us about the combined strength of Berk-Tek and Leviton copper and fiber solutions for your organizational networking needs.

ClearLine Neworks brings you the strongest selection of LAN and data center network infrastructure solutions in the industry, with best-in-class cabling and connectivity from Berk-Tek and Leviton.

IDEAL FOR INTER-BUILDING AND INTRA-BUILDING APPLICATIONS

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