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Clearfield® Introduces FieldSmart® FiberFlex Active Cabinet

Highly configurable outdoor cabinet optimized to support any FTTx, backhaul or edge compute deployment

MINNEAPOLIS--(BUSINESS WIRE)-- Clearfield, Inc. (NASDAQ:CLFD), the specialist in fiber management for communication service providers, today announced the addition of the FieldSmart FiberFlex 3000 outdoor cabinet to its portfolio of active cabinet solutions. Service providers are placing more active equipment deeper into the network and the FieldSmart FiberFlex series is designed to protect, power, and manage this active equipment as well as aggregate the fiber connections. The cabinet series eliminates unsightly box farms for better site space utilization, consolidates power and cooling for better efficiency, and offers factory integration options saving time and labor at the job site. The modular design allows side-to-side field expansion as needed.

As network operators look to deploy fiber to support a wider range of applications and deployment scenarios, the FieldSmart FiberFlex 3000 all-in-one design integrates fiber, power, and active equipment. The flexible design makes it the ideal active cabinet to help operators close the digital divide by supporting remote optical line terminals (OLTs) with passive optical network (PON) distribution, wireless base stations with fiber backhaul aggregation, and active network equipment with back-up power needs. The FiberFlex 3000 enables many emerging applications such as Smart City IoT, wireless 5G ORAN, and Metro Edge services that require powered elements such as compute processors, servers, and fiber aggregation be placed closer to the end users.

“Fiber deployments are scaling at record pace as operators look to leverage demand for the services and applications that are driving the economy forward,” said Nate Jacobsen, Product Manager for Outside Plant Products at Clearfield. “There is no “one size fits all” solution but the FiberFlex 3000 provides the density, scalability and flexibility service providers need so they can target any application, streamline service introduction and reach as many subscribers as possible.”

The FiberFlex 3000 features a 19- or 23-inch vertical equipment frame to provide 36 rack units (RU) for active electronics and passive equipment with no batteries, 30RU with one string of batteries, or 20RU with two strings of batteries. Measuring 72”H x 30”W x 36”D, this multi-use enclosure makes it easy to drop into any pad or vault mount option and accommodates both traditional telco equipment (12” depth) and server blades (30” depth) with HVAC, heat exchanger or direct air cooling options. Each FieldSmart FiberFlex 3000 provides up to 864 internal fiber distribution ports for subscriber PON deployments, along with complementary splitter capacity, and accepts local AC power via the integrated AC Load Center equipped with a generator plug for back-up power. True to Clearfield’s craft-friendly modular designs, the open racks and cable entry ports with a removable plate facilitate ease of installation and field expansion.

More information on Clearfield's FieldSmart FiberFlex 3000 can be found in this introductory video, the associated data sheet or at www.seeclearfield.com.

About Clearfield, Inc.

Clearfield, Inc. (NASDAQ: CLFD) designs, manufactures and distributes fiber optic management, protection and delivery products for communications networks. Our "fiber to anywhere" platform serves the unique requirements of leading incumbent local exchange carriers (traditional carriers), competitive local exchange carriers (alternative carriers), and MSO/cable TV companies, while also catering to the broadband needs of the utility/municipality, enterprise, data center and military markets. Headquartered in Minneapolis, MN, Clearfield deploys more than a million fiber ports each year. For more information, visit www.SeeClearfield.com.

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