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Clearfield Introduces Fault Managed Power Portfolio to Bring Fiber and Power Together at the Network Edge

Innovative solutions deliver up to 6 kW of power over distances of up to 6,000 feet, accelerating deployment and simplifying network expansion

MINNEAPOLIS--(BUSINESS WIRE)-- Clearfield, Inc. (NASDAQ: CLFD), a leader in fiber connectivity solutions for telecom, data center and network infrastructure environments, today announced its new Fault Managed Power portfolio, designed to help operators deliver both fiber and power to remote radios, edge sites, and distributed network equipment. As broadband, wireless, and computing infrastructure converge and move close to end users, operators must deploy equipment across a growing number of remote and distributed locations. Each site requires not only high-capacity connectivity, but also a safe, reliable, and scalable source of power.

The new Fault Managed Power portfolio combines a rack-mounted transmitter with indoor and outdoor receiver options to support supervised Class 4 power delivery over distances of up to 6,000 feet. Together, the solutions help operators reduce reliance on local utility power and coordinate power delivery with the fiber infrastructure already serving remote equipment. The following new products are included in the portfolio:

- Fault Managed Power Transmitter
  - Supports up to 6 kW across four independently supervised output channels and transmission distances of up to 6,000 feet.
- Fault Managed Power Outdoor Receiver
  - Delivers up to 2.5 kW of regulated 56 VDC power from an IP66-rated enclosure
- Fault Managed Power High Voltage 4000 Receiver
  - Provides up to 4 kW of 240–350 VDC output from a standard DIN-rail form factor.

Clearfield’s Fault Managed Power portfolio allows operators to run supervised, code-compliant power to remote or difficult-to-reach locations using lighter gauge cable. As a result, the crews and workflows already supporting the fiber build can easily deploy power through the same cable and data pathway. The circuit automatically disconnects when a fault is detected, reducing fire, equipment, and safety risks.

“Telecom, data center, and wireless networks are becoming more distributed, but operators still have to solve two challenges at every location: connectivity and power,” said Anis Khemakhem, Chief Commercial Officer of Clearfield. “Clearfield’s Fault Managed Power portfolio gives operators a faster and more coordinated way to bring fiber and power together through one vendor, while reducing deployment complexity and creating a more flexible foundation for future network growth.”

Compared with traditional power extensions or new utility service, Clearfield’s Fault

Managed Power solutions offer several key advantages:

- Faster deployment: Reduces and simplifies the permitting, trenching, and licensed electrical work typically required to bring power to remote sites.
- Safety by design: Uses a supervised Class 4 circuit that automatically disconnects when a fault is detected.
- Greater reach: Delivers power up to 6,000 feet without the voltage-drop concerns of traditional low-voltage DC extensions.
- Fiber-aligned deployment: Fault Managed Power can be routed alongside fiber and may use shared pathways where permitted.
- Simplified installation: Lighter-gauge conductors and field-friendly connectors can reduce cable weight, material cost, and installation complexity.

"The industry is moving beyond simply extending fiber footprints toward building intelligent, distributed infrastructure that supports broadband, wireless, AI, data center, and edge computing applications," said Ron Westfall, VP and Practice Leader, Infrastructure and Networking at HyperFRAME Research. "That requires rethinking how both connectivity and power are delivered. Clearfield's entry into offering fault managed power broadens its role within network infrastructure and positions the company to address an increasingly important requirement for operators modernizing their networks."

The Fault Managed Power products will be on display at upcoming industry events, including ISE Expo 2026 and Yotta 2026. To learn more about this exciting new portfolio, visit the product page.

For more information on Clearfield and its innovative fiber solutions, visit www.SeeClearfield.com.

About Clearfield, Inc.

Clearfield, Inc. (NASDAQ: CLFD) designs, manufactures, and distributes fiber optic management, protection, and delivery solutions that enable high-performance connectivity across a wide range of markets, helping to close the digital divide. Clearfield's labor lite, craft-friendly platform is leveraged by community broadband providers, MSOs, incumbent service providers, ISPs, data centers, wireless providers, IoT networks, the military, municipalities, and cooperatives to connect homes, businesses, and critical infrastructure faster and more efficiently. 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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