

PRODUCT INFORMATION

www.fiberopticlink.com

PI-M001 2021-08-28

High-Voltage Isolation Solutions - HVP

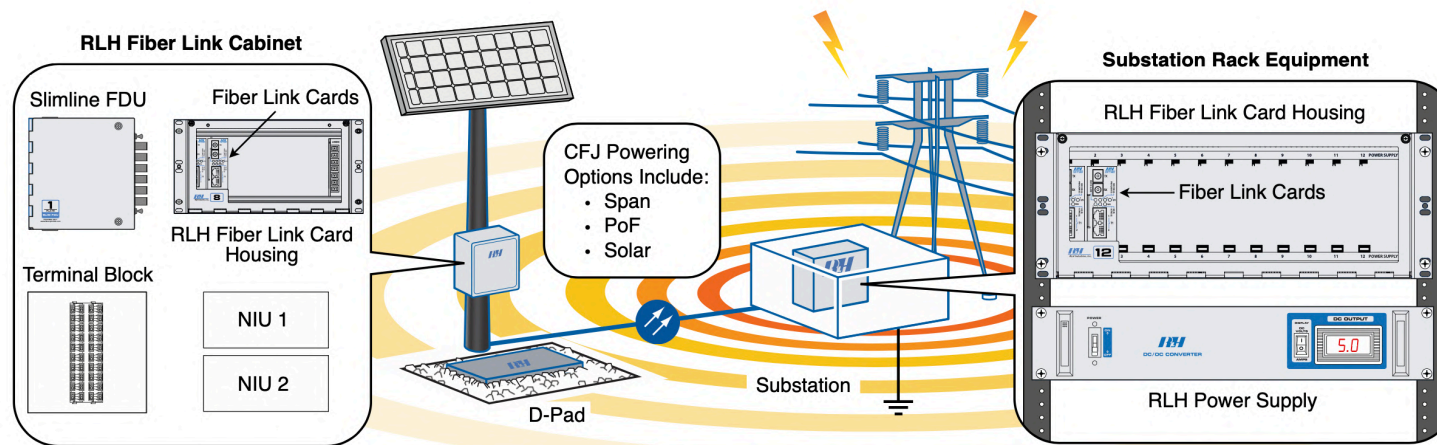
High-voltage environments are susceptible to GPR (Ground Potential Rise) events. In some cases a voltage potential between the ground grid and remote earth may exceed 100Kv. Common locations with GPR occurrences include power-generating facilities and power substations.

In all situations where copper communication lines (remote grounds) enter into high voltage areas, catastrophic damage and critical failures may occur due to GPR. Personnel safety is greatly jeopardized when exposed to potential remote ground contact during a GPR event.

Generating facilities and substations commonly lease communication services from the local telephone company (Telco). Service types ranging from a simple

telephone (POTS), T1, DSL, or MPLS are typically delivered from a central office via copper wire.

The RLH Fiber Link systems provide high voltage isolation by converting electrical (copper-based) signals into optical (fiber-based) signals. The Fiber Link CO side or CFJ (Copper-to-Fiber Junction) is ideally located a safe distance away from the power station. The Sub side or OEI (Optical-to-Electrical) is conveniently located inside the power station. Because fiber optic cables do not contain any metallic members, service can be safely and reliably connected.



RLH Fiber Link Application Diagram

PRODUCT INFORMATION

www.fiberopticlink.com

RLH High Voltage Isolation Products

Fiber Link Card Systems

- T1
- Ethernet
- POTS
- Contact Closure
- Serial Data
- DID
- 4 Wire Data
- Analog Data
- 56K DDS
- HDSL

Fiber Link Card Housings

- Rack, Wall or Pole mounting units
- NEBS Level 3 approved
- Indoor and outdoor applications
- 1 up to 12 Fiber Link Card capacity housings

Fiber Link DIN Systems

- T1
- Ethernet
- POTS
- Contact Closure
- Serial Data
- 4~20mA/0-10VDC
- 4 Wire Data

Cabinets

- Aluminum
- Fiberglass
- Galvanized Steel
- Stainless Steel
- Dual Access
- Custom
- Turn-key Integrated Solutions

Pedestals

- Semi-buried Type-02
- Semi-buried Type-03
- Semi-buried Type-07
- Hi-Density
- Custom
- Turn-key Integrated Solutions

Power Supplies

- Solar Power Systems
- Power Over Fiber (PoF)
- AC/DC
- DC/DC Converters
- Battery Packs

Fiber Optic Cable

- Patch Cords
- Indoor & Aerial Breakout Assemblies
- Indoor Distribution Assemblies
- Bulk Fiber Cable
- Custom
- Patch Panels

Accessories

- Fiberglass D-Pad
- Rack Mount DIN Rail Bracket
- Fiberglass Solar Panel Mounting Pole