

# Conduit Intrusion Detection

## Separate Zones, Numerous Options

The FiberStrike Conduit Monitoring solution provides very tight zone control and instant response for all conduit intrusion attempts. Detection zones may even be created to protect a single room, and an unlimited number of zones may be established on a single protected conduit.

## Superior Performance

This system will detect and locate an under-floor conduit breach and direct security personnel to the specific room of unauthorized activity. The fully fiber optic solution is undetectable, immune to EMI/RFI, and adaptable to accommodate future additions and changes. Long expanses of uninterrupted conduit may easily be managed.

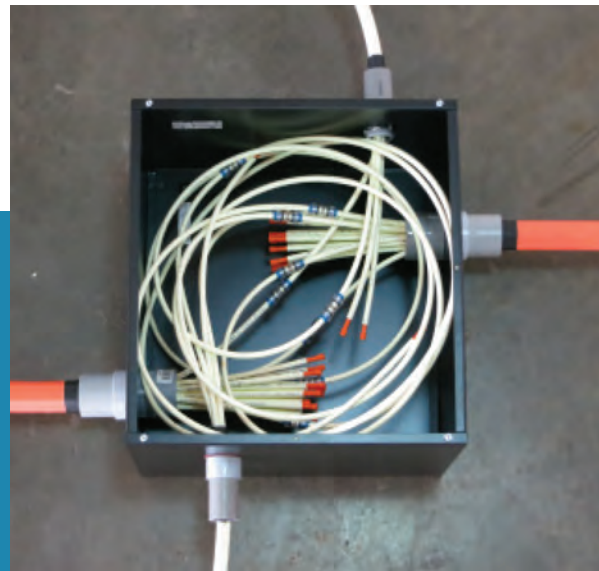
## Integration

Conduit monitoring is virtually always integrated with risers, handholds, and vaults. FiberStrike also provides a dual "Point Detection" technology suite of products that includes a full array of fiber optic interlock switches, sensing mats, and sensing platforms that address all of your system's critical security needs. CEL can provide the necessary hardware, software, and integration expertise to manage nearly any application.



## Applications Include:

- ✓ Government & Military Secure Data Facilities
- ✓ Secret/Top Secret Data Transmission Corridors
- ✓ Corporate Confidential Communications Protection



## Protective Distribution System (PDS)

This Risk Management Tool is designed to deter or detect penetration of the communication lines transmitting unencrypted NSI within a Controlled Access Area (CAA).

### Alarmed Carrier

As an alternative to conducting human visual inspections, an alarmed carrier PDS may be constructed to automate the inspection process through electronic monitoring with an alarm system. In an alarmed carrier PDS, the carrier system is “alarmed” with specialized optical fibers deployed within the conduit for the purpose of sensing acoustic vibrations that usually occur when an intrusion is being attempted on the conduit in order to gain access to the cables.

#### Alarmed carrier PDS offers several advantages over hardened carrier PDS:

- ✓ Provides continuous monitoring 24/7/365
- ✓ Eliminates the requirement for periodic visual inspections
- ✓ Allows the carrier to be hidden above the ceiling or below the floor, since periodic visual inspections are not required
- ✓ Eliminates the need for the welding and epoxying of the connections
- ✓ Eliminates the requirement for concrete encasement outdoors
- ✓ Eliminates the need to lock down manhole covers
- ✓ Enables rapid redeployment for evolving network arrangements

Legacy alarmed carrier systems monitor the carrier containing the cables being protected. More advanced systems such as FiberStrike monitor the fibers within, or intrinsic to, the cables being protected to turn those cables into sensors, which detect intrusion attempts.

