

# FIBERDYNE LABS, INC.

## Professional Services



## Capabilities Document

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**Fiberdyne Labs, Inc. Professional Services:** Fiberdyne Labs, Inc. provides structured cabling Services including complete turnkey Engineering, Furnish, and Install (EF&I) Services to meet your needs - extending into central offices, outside plants, outside plant shelters, head-ends, data centers, data closets, points-of-presence, co-location rooms, FTTH infrastructure, and even wireless cell sites. Fiberdyne Labs, Inc. has over 15 years of experience in the innovation and manufacture of passive and active networking products. The expert, full time field staff has a broad experience base in all services we offer. Our primary goal is providing as much or as little as you need – always performing at the highest level of quality.

### **Structured Cabling Systems:**

- Site survey, design, install, termination, and test of triple play solutions
- Category 5, Category 5e, Category 6 (Certified)
- UTP (Unshielded Twisted Pair) & STP (Shielded Twisted Pair)
- Site audits, network certification and documentation
- Switch/Networking hardware installation and certification
- Media converters

### **Fiber Optic Cabling:**

- Site survey
- (Fiber) reel testing
- Complete fiber backbone installation
- Singlemode & Multimode fibers
- Design & installation of FutureFlex air-blown fiber backbones (Certified)
- Any industry standard termination
- Field fusion splicing Services
- OTDR testing and certification
- Bi-directional attenuation testing and certification
- Complete Fiber Characterization
  - Bi-directional OTDR testing
  - Bi-directional loss reading
  - Optical Return Loss (ORL) readings
  - Chromatic Dispersion (CD) testing
  - Polarization Mode Dispersion (PMD) testing
- DWDM/CWDM testing – Optical Spectral Analysis (OSA)
- Frame/Bay installation
- Media conversion

## Data / Telephony Rooms & Closets:

- Cabinet & equipment layout
- Patch panels, LAN/WAN links
- Routers, firewalls & switches
- Patch panel clean up and verification
- Media converters

## Emergency Restoration Services:

- Emergency Services to meet your immediate needs
  - Inside Plant
  - Outside Plant

## Other Services:

- Project management
- Complete turnkey Engineering, Furnish, and Install (EF&I) solutions
- Component selection
- IP telephony
- Cable removal and disposal
- Paging systems

## FIBERDYNE LABS, INC.

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“The Networking Expert”

