

FIBER OPTIC NETWORKING

INSTALLATION DOCUMENTATION CHECKLIST

The Expanse team prides itself on being experts in the field of Fiber Optic Networking and can properly setup your network to ensure maximum benefits with the opportunity for future expansion. Professional contractors, like Expanse, can provide access to the following documentation as useful reference:

- ✓ **FIBER MAP**
- ✓ **FIBER SPLICING MATRIX**
- ✓ **GPS COORDINATES FOR ENCLOSURES, VAULTS, FIBER**
- ✓ **OTDR TEST RESULTS**



FIBER CHEAT SHEET

SMF – Single Mode Fiber

MMF – Multimode Fiber

OTDR – Optical Time-Domain Reflectometer: An OTDR combines a laser source and a detector to provide an inside view of the fiber link to calculate:

- Distance to each event (connector, splice, bend, break)
- Loss and reflection of each event
- Total link length
- Total link loss
- Fiber attenuation

ADSS Fiber – All-Dielectric Self-Supporting Fiber: ideal for distribution and transmission environments even live-line installations. No support or messenger wire required.

OPGW – Optical Ground Wire

Strand or Messenger Cable – The linear supporting member of a suspended aerial cable, typically high-strength steel wire, the messenger may be an integral part of the cable or exterior to it.

To schedule your fiber optic networking services, call us at 832.399.0054 (Press 1, then press 6 to reach Communication Networking)