

WAV mbsiWAV

# FIBER SOLUTIONS TRAINING



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## Doughnuts and Intro

- 9:00 AM What is a PON Network?
- 9:10 AM Components of a PON
- 9:20 AM Network Architecture
- 9:30 AM Fiber Optics Cables
- 9:40 AM Wavelengths and the Electromagnetic Spectrum
- 9:50 AM Wavelength Correlation with RF
- 10:00 AM Attenuation: Causes and Why They Matter
- 10:15 AM Waterpeaks

## Break

## Fiber Deployment

- 11:00 AM Aerial or Underground: What's Best for Me?
- 11:10 AM Aerial Deployments
- 11:20 AM Underground Deployments

## Network Design and Architecture

- 11:30 AM Split Architecture
- 11:45 AM Mapping Your Network

## Lunch

## LiteLinx Presentation of Fiber

## Permitting and Engineering

- 1:50 PM Permitting Process
- 2:00 PM Engineering Studies
- 2:10 PM Network Construction
- 2:20 PM Construction Phases

## Break

- 2:30 PM Inside Plant Components

## Lynn Presentation on Patch panel and FDH

- 3:15 PM Network Management and Troubleshooting
- 3:30 PM Network Management by Cambium cnMaestro
- 3:45 PM Troubleshooting
- 4:00 PM Hands-On Demonstration by **Ripley Tools**
- 4:30 PM Fiber Tools

## Dinner

- 5:30 -7:00 PM

## Featuring

