

KOENIG SOLUTIONS • COURSE OUTLINE

Fiber Optics: Practical Networking and Testing

Learn to install, terminate, splice and test fiber optic cabling, from network fundamentals to OTDR-based troubleshooting.

3 Days

DURATION

14

TOPICS

COURSE OVERVIEW

This course covers the fundamentals of fiber optics, including fiber to the desk, fiber to the home, multimode networking and safety practices. It then addresses networking standards, cable and connector identification, outside plant cabling, and the termination and splicing of fiber connectors. The final part covers outside plant cable preparation and testing, along with the use of OTDR, VFL, power source and light meter functions for continuity testing and troubleshooting.

WHO THIS COURSE IS FOR

Network Technicians

Cable Installers

Field Service Engineers

Network Engineers

Telecommunications Technicians

LEARNING OBJECTIVES

- Explain core concepts of fiber optics and fiber optic safety
- Describe fiber to the desk and fiber to the home deployments
- Identify fiber optic cables and connectors
- Apply fiber optics networking standards to outside plant cabling
- Implement termination and splicing of fiber connectors
- Perform outside plant fiber cable preparation and testing
- Interpret OTDR traces to assess fiber link quality
- Apply VFL, power source and light meter functions for troubleshooting

14 Topics

DAY 1

TOPICS

Introduction to Fiber Optics · Fiber To the Desk · Fiber To the Home · Multimode Fiber Optics Networking · Fiber Optics Safety

DAY 2

TOPICS

- Fiber Optics Networking Standards
- Fiber Optics Cable and Connector Identification
- Outside Plant Cable Introduction
- Hands-on Session Continues
- Termination of Fiber Connectors, Introduction to Splicing

DAY 3

TOPICS

- Outside Plant Fiber Cable preparation, termination & testing
- Introduction to Basic OTDR Functions and Traces
- Use of the OTDR, VFL, Power Source and Light Meter Functions
- Continuity Testing, Troubleshooting, Managing Tools and Equipment

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

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