MARCRAFT
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FIBER

The Complete Fiber Optic Installers Certification Course from Marcraft prepares technicians to answer the growing demand for qualified cable installers who can understand and implement fiber-optic technologies. The text/lab book covers the theory and hands-on skills needed to prepare students for fiber-optic entry-level certification.

Fiber Tools and Safety Considerations
• Fiber Tools, Equipment & Safety
• Splice And Fiber Management

Basic Concepts of Fiber Optics
• Optical Communications History and Fiber Development
• Fiber Optic Cable
• Fiber Stripping and Cleaving
• Optical Fiber verses Other Transmission Systems

Optic Fundamentals for Fiber Optics
• Light
• Single-Mode & Multimode
• Fiber Manufacturing Processes
• Attenuation, Dispersion & Insertion Loss

Optical Devices
• Optical Devices
• Fiber Management
• Multiplexing and Modulation
• Transmitter & Receiver Devices

Fiber Connections
• Fiber Inspecting & Preparation
• Splicing, Cable Termination & Connector Types
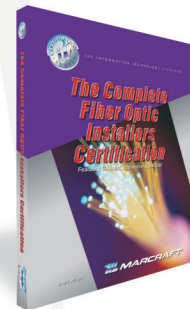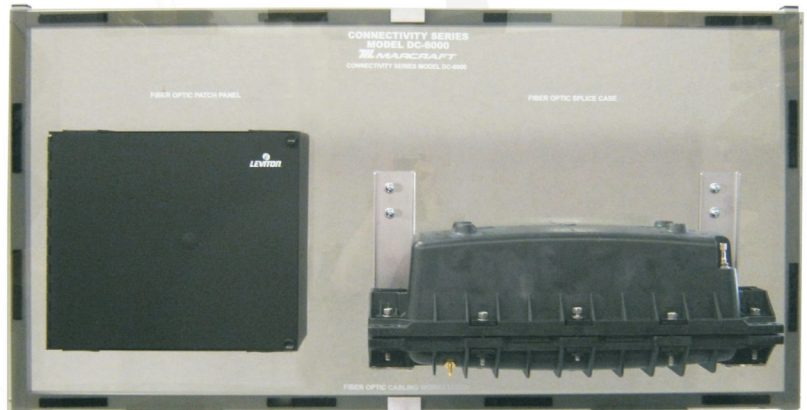
Fiber Optics Network System
• LAN Design
• Fiber Systems
• Link Loss Budget & System Calculations
• Fiber Installation

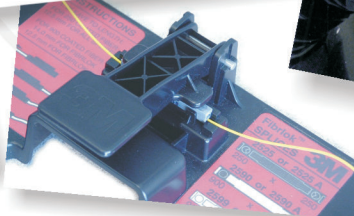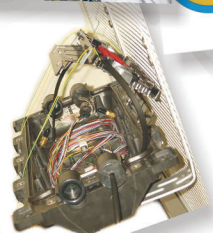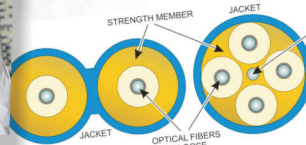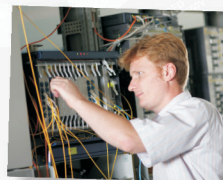## Documentation and Troubleshooting
• Power Meter And Light Source
• OTDR Features and Operations
• Troubleshooting Transmitters and Receivers
• Testing for Proper Repair of Damaged Cables

Understanding Blueprints
• Schematic, preliminary and working drawings
• Scale, abbreviations and identifying blueprint symbols

INCLUDES PANEL, LAB GUIDE, AND TOOLS

MADE IN AMERICA

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