Comprehensive Career Program

Educational Training Equipment for the 21st Century

Bulletin 285-112C

Courseware

Experiment Topics

- **Cable Types**
- **110 Block/RJ45 Patch Panel**
- **RJ Connectors**
- **DB-15 Connector**
- **UDC Connector**
- **F - Connectors**
- **N - Connector**
- **BNC Connector**
- **Thicknet Tap**
- **Thinnet Tap**

Identify

- Numerous connectors used in copper cabling
- Various copper cables used in today's computer networks
- Know how to use the tools associated with copper cabling
- Numerous blueprint symbols

Understand

- Basic network topologies
- The purpose and operation of cabling closets and cross-connects
- The importance and dangers associated with network and power grounds
- The basics of fiber optic and wireless networks

Install

- Common connectors onto shielded and unshielded twisted pair cables
- Connectors and taps onto coaxial cables

Hampden HEE-TNC Telecommunication Network Cabling

Hampden's MODEL HEE-TNC Telecommunication Network Cabling course provides the tools and equipment needed to learn about modern PC network topologies.

The course—designed for secondary and post secondary students—overviews network topologies and investigates the basics of cabling with emphasis on: standards, grounding, preparing cable ends, testing cables and wireless networks.

Hands-on experiments include: pulling cables through a conduit, punching down cables to a 110 punch block, using a patch panel and installing common network connectors onto cables.

Features

Identify the Parts

Grounding

Cable Identification

- Copper & Twisted Pair Cables
- Color Codes & Standards
- Coaxial Cables

Tool Identification

- Punchdown Tools, Crimping Tool, Coaxial Cable Crimping Tool, Pin Crimping, Coaxial Cable Strippers

Closets & Cross-Connections

- Interbuilding Cabling
- Cable Distances
- Pulling Cable

Cables, Connectors, & Taps

- Connectors
- What is Coax?
- Performance, Installing Connectors
- Connectors and Taps -Thinnet
- What is Thinnet?
- Installing Connectors
- Connectors and Taps -Thicknet
- About Thicknet
- Installing Connector
- Installing a Thicknet Tap
- Cable Basics
- Making Patch Cables
- Modular Outlet (Punchdown)
- Modular Outlet (Edge Connector)
- Connectors
- Restoring the Trainer and Cables
- The Universal Data Connector
- Installing the Connector

Options

MODEL HEE-TNC-RK, Replacement Kit - Contains additional cables and connectors.

MODEL MCI-1000, Mobile A-Frame Stand - Shown with factory installed HEE-TNC unit.

MODEL H-444-1, Digital Multimeter - Rugged, hand-held multimeter for increased functionality.

All Hampden units are available for operation at any voltage or frequency

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P.O. Box 563, East Longmeadow, MA 01028 • Tel 413-525-3981 • Fax 413-525-4741 • E-mail sales@hampden.com **800-253-2133**