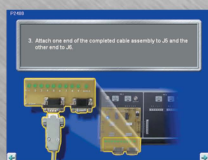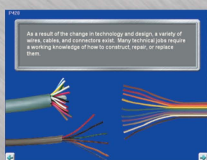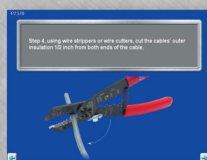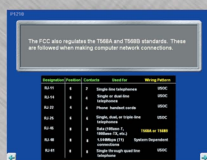# Cables and Connectors

Good Connections Make the Difference

Properly built cable assemblies provide the vital links between data transmission and data receiving devices. Computers, telecommunications equipment, and industrial machinery are just some of the examples of devices that transmit and receive through cables and connectors. To keep all of these devices communicating at the peak of their efficiency, technicians must possess the skills to build, repair, and troubleshoot connectors and cable assemblies. The E & L-Nida Cables & Connectors courseware is designed to develop and strengthen cabling skills through computer based instruction, simulations, and hands-on projects. The same tools, connectors, cables, and test equipment used by technicians in industry are presented in the Cables & Connectors courseware to teach students cable assembly skills they can apply immediately.

E & L-Nida Cables and Connectors

The E & L-Nida Cables & Connectors courseware is designed to provide your students with a hands-on introduction to cable assembly, types, applications, and testing. Students learn to identify and inspect cables, select and assemble connectors, and test and troubleshoot cable assemblies. The courseware comes complete with everything needed to build and test all types of cable configurations, from twisted pair to coaxial. The basic course includes tools, cable, testing circuits, and enough expendable materials to support a class of 10 students. Replacement materials may be bought locally or through your E & L-Nida distributor.

Topics

Cables, Connectors, and Tools
Introduction to Cables & Connectors
Cable Identification, Connector Identification
Single Wire Assemblies
FASTON Connectors, .156 KK Series Connectors
Prepare, Build, & Test Single Wire Assemblies
Flat Satin Cable & RJ Connectors
RJ-11 Connector Assembly & Testing
RJ-45 Connector Assembly & Testing
Prepare, Build, & Test Flat Satin Cable Assemblies
Cabling Standards & Categories of Performance
Cabling Standards, Universal Service Ordering Codes
Serial Data Connections, Multiconductors

Twisted Pair Cable & RJ Connectors
Twisted Pair Cable Applications
Prepare, Build, & Test Twisted Pair Cable Assemblies
Multi-Wire Cable & D-SUB Connectors
Multi-Wire Cable Applications
D-SUB Connector Assembly
Prepare, Build, & Test Multi-Wire Cable Assemblies
Coaxial Cable & BNC Connectors
Coaxial Cable Applications
BNC Connector Assembly
Prepare, Build, & Test Coaxial Cable Assemblies

Supporting Hardware

- Model 130E Test Console
- Model TD2000 Tec Dec
- Model 1459 Cables & Connectors
- Model 4050 Test Instrument Module