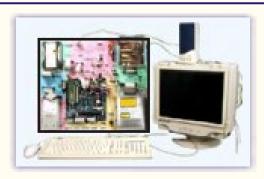# SIGMA

NETWORK CABLING TRAINER

MODEL - NTCABLE100

This trainer has been designed with a view to provide practical and experimental knowledge of a Networking and Cabling.

FEATURES

Network and cabling trainer is a complete package for training students in the teaching of PC network topologies and the associated copper cabling.

1. The trainer is covering overview of network topologies and then investigates the basics of cabling with emphasis on standards, grounding preparing cable ends, testing cables, and understanding wireless networks.

2. IT come with a Fault Insertion Board for the purpose of inserting fault while the students are conducting the experiments.

3. The trainer come with student workbook that contains laboratory experiments of pre-wired type.

SPECIFICATIONS

HARDWARE

Following Tools and cables are included:

1. Tools
   Trainer Module
   Fault Insertion Board
   Patch cables
   Wire Stripper
   Digital multimeter
   Cable tester
   RG8, RG6 and RG58 Stripper and Crimper
   UDC/RJ45 Adapter
   110 Punchdown Tool
   RJ45 Crimper
   Nipper
   Thicknet Tap
   Groove Joint Pliers

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

2. Cable and connector/ modular jack
    i.   RG-6 Coaxial cable 300m and F-type connectors 100 pieces.
    ii.   RG-58 Coaxial Cable 300m and BNC-connectors 100 pieces.
    iii.   RG-8 Coaxial Cable 300m and N-type connectors 100 pieces.
    iv.   UTP (Cat. 5) cables 300m and RJ 45 modular jack (100 pcs)
    v.   STP (Cat. 5) cables 300m and RJ 45 modular jack (100 pcs)
    vi.   Wallplate 100 pieces

MANUALS

The trainer include complete teach-ware materials such as:

1. Instructor support Module (MS-Power point presentation slides, Lesson Plan, references library)
2. Textbooks and Workbooks
3. Instructor's guide

EXPERIMENTS

1. Identify All Parts
2. Cables Identification
3. Tools Identification and Standards
4. Network Topologies
5. Closets and cross- connects
6. Grounding
7. 4-pair cables and connectors
8. Cable Basics
9. Making Patch Cables
10. RJ-45 Modular Outlet punch down
11. RJ-45 Modular Outlet (edge connector)
12. DB15 Connectors
13. 2 pair cables and connectors
14. Coaxial cables, connectors and Taps
15. RG-6 and F-connector
16. RG58, BNC-connector and Taps-ThinNet
17. Blue print reading
18. Fiber optic and wireless systems