

Classroom Equipment Requirements – DCI Data Cabling Installer - ETA[®], International

Classroom:

1. Manuals (10)
2. Workbooks (10)
3. Support and resource materials (Videos, Catalogs, Books)
4. Slide or video presentation(s)
5. Cable samples (Cat 5, 5e, 6, 6A)

Lab Items:

- | | |
|--|-----------------------------------|
| a. Long nose pliers | m. RJ11 / 45 & RG 6/59 Crimpers |
| b. Razor knives | n. VOM – voltage/resistance meter |
| c. Pliers (common) | o. Drop cloths (2/class) |
| d. Diagonal pliers | p. Tape measure |
| e. Wire strippers | q. Twisted pair continuity tester |
| f. Punch down tool | r. Tone/frequency generator |
| g. Screwdrivers | s. Cable marking supplies |
| h. Handtowels (box) | t. Cable prep tool TJ11/45 & Coax |
| i. Wipes (box) | u. Fish tape |
| j. Patch Panels to wire and cross wire | |
| k. TDR – Time Domain Reflectometer | |
| l. Type 66 and 110 punch down blocks | |

Optional test equipment suggestions:

- | | |
|-----------------------------------|----------------------------|
| aa. Loop analyzer | ff. Megohmmeter |
| bb. Radio detection 5000 or equiv | gg. Oscilloscope |
| cc. Resistance simulator | hh. Gopher pole |
| dd. Split simulator | ii. Cable pulleys |
| ee. Open simulator | jj. Wire pulling lubricant |

Noise mitigation tools suggestions for CAT-5, 5e, 6, and 6A

- i. Student manuals
- ii. Noise lab
- iii. Loop tester
- iv. Current meter
- v. UF Spectrum analyzer
- vi. Cable pair (5 mi. length) running parallel to power line

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(End of equipment requirements)