

VOICE & DATA CABLING CHAPTERS 8-9 STUDY GUIDE

Chapter 8 of 12

1. Describe the following cable installing tools:

Tool	Description/used for
Cable caster	used to move a cable faster
Fish tape	retrieval of wires inside of a wall
Labeler	prints labels for wall jack
Panduit CJST cable prep tool	removes the outer jacket from a four pair cable, cyclops
Cable splicer scissors	splices cable
Cable cutter	cuts thick cable
Panduit PDT 110 Multipair termination tool	terminates IDCs, 5 at a time, cut or punchdown
PDT 110 termination tool	regular punchdowns
Scotchlok splice tool	connects two wires with IDCs, insulation displacement connection
Panduit CT5-8 crimp tool	crimps connectors on cable - RJ-45 or RJ-11
Fluke 620 LAN CableMeter	cable tester
Fluke 110 digital multimeter	reads voltage, current, resistance
AC voltage sensor	senses AC voltage
Tone and probe	hook tone and probe for cable with sound
Telephone test set	used to allow installers to communicate
Banjo	used to test individual wires
Deep scanning metal tester	finds metal behind walls
Stud/rebar sensor	finds studs
Wire finder	finds wire
Measuring wheel	a little wheel that measures

2. What is a MSDS?

material safety data sheet

3. What is RSI?

repetitive stress injury

4. Name some guidelines to follow on the job site so that you appear professional.

dress appropriate

no profanity - proper english - no slang

5. Why is it important to be able to work as part of a team?

buddy system

6. What is meant by ethics?

code of conduct

7. What is the meant by "soft tools" and "hard tools"?

8. List and describe the five phases of a cabling installation project:

pre-sales / sales

rough-in

train-out

finish phase

customer support

9. What is an RFP?

request for proposal

what needs to be built, details of job, formal document

10. What are some typical things included in an RFP?

project title

executive summary

warranty

date

closing date

working hours

issuing party

bonding requirements

exceptions

11. What is a pre-bid meeting for?

to give contractors the opportunity to see if they are interested in this project, without making a major investment.

12. What is the bid and what should be included in it?

materials

insurance

labor

subcontractors

profit margin

waste

13. What is a site survey?

looking at a building before making a bid

14. What is a staging area?

where you keep stuff securely

15. What is a "take off"? Why is it important to know where/how many take-offs there are?

counting location and measurements for blueprint

16. What should be on the checklist created by the contractor?

all items on bid

17. What is meant by "fixed costs" of a business?

labor

operation

18. List some of the items that should be included in the materials cost of a project.

labor

materials

19. List some other factors that need to be taken into consideration when preparing a project bid:

company's history & future

20. What is the definition of a contract?

binds both parties to a written agreement

job specification

timeline

completion date

lien waivers

21. List some of the items that can be included in a contract:

timeline

completion date

lien waiver

job specifications

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22. Who should sign the contract?

23. List the steps in project planning and briefly define each one:

24. What is a change order? When is it usually given to the contractor?

to make a change in a bid

25. What is a punch list? When is it usually given to the contractor?

show what's done & not

he does punch list

26. What is a lien?

suit for not paying

charge against property

27. What is a lien waiver?

contractor cannot put a charge against property of buyer

28. List some of the software tools available to contractors today:

CAD

29. What type of architectural drawings represents telephone and data information?

telecom, electrical, plumbing, architectural

30. List some of the drawings and diagrams used in a cabling installation:

schematic - not in scale

rough sketch -

design doc - narrative

as-built -

floor plan -

31. When are as-built drawings created? What should be included on them?

what is actually built