

UTP Cabling Do-It-Yourself Lab Exercises Scorecards

Student Name _____ Date _____

Below are the “scorecards” for UTP installation. Check off “√” when you have correctly completed each step; repeat the step if it is a “X” until it is done correctly. If you have a mentor or instructor, have them provide feedback.

Refer to the Cabling Workbook for more details.

Scorecard UTP Cable

Check off “√” when you have correctly completed each step; repeat the step if it is a “X” until it is done correctly. If you have a mentor or instructor, have them provide feedback.

Process Step	Completed		Comments or Mentor/Instructor Feedback
	√	X	
Conducts parts inventory			
Read printing on cable jacket			Note grade of cable _____, UL approval _____ and other information
Strip cable jacket			
Separate pairs and note color codes			Identify the 4 pairs in the cable. Note the color codes of each pair which will be used for aligning wires for termination.
Note the rate of twist in the pairs			Why are the twist rates different?
Compare Cat 3 to Cat 5 or any two types of UTP			Why are the twist rates different?
Separate wires			You will do this for termination in next exercises
Untwist wire pairs 13mm or ½ inch			You will do this for termination in next exercises

Installation Scorecard UTP Plug

Check off “√” when you have correctly completed each step; repeat the step if it is a “X” until it is done correctly. If you have a mentor or instructor, have them provide feedback.

Process Step	Completed		Comments or Mentor/Instructor Feedback
	√	X	
Conducts parts inventory			
Strip cable jacket to appropriate length			
Separate wire pairs, then wires			
Flatten wires			
Align wires per color code			See workbook for color codes – use either TIA-568A or 568B, but you MUST use the same on both ends of your cable!
Cut wires to 1/2” (13mm)			
Insert wires in plug			
Crimp the plug			
Repeat to attach plug to other end of cable			Watch the color codes – see above.
Test cable with wiremapper			

Installation Scorecard UTP Jack (110 Punchdown)

Check off “√” when you have correctly completed each step; repeat the step if it is a “X” until it is done correctly. If you have a mentor or instructor, have them provide feedback.

Process Step	Completed		Comments or Mentor/Instructor Feedback
	√	X	
Conducts parts inventory			
Strip cable jacket to appropriate length			
Separate wire pairs, then wires			
Align wires per color code			Follow color code on the jack as it may have twists inside the jack which changes the color code
Insert wires in jack			
Punchdown wires, remove scrap			Note the side of the cutoff blade on the punchdown tool
Snap cover on wires			

Installation Scorecard Wiremap Testing

Check off “√” when you have correctly completed each step; repeat the step if it is a “X” until it is done correctly. If you have a mentor or instructor, have them provide feedback.

Process Step	Completed		Comments or Mentor/Instructor Feedback
	√	X	
Conducts parts inventory			
Use wiremapper to test purchased patchcords			Use this exercise to familiarize yourself with the operation of the wiremapper
Test the patchcords (plug to plug cables) you made in earlier exercises			Did you find errors? What kinds? If so correct them and retest your cables.
Test the links (jack to jack cables) you made in earlier exercises			Did you find errors? What kinds? If so correct them and retest your cables.