

All Academy Day: Cable-Making Event Rules

Object of the cabling event

Successfully make and test a total of 1 patch, 1 crossover, and 1 rollover/console cables in 20 minutes.

Playing the game (RULES)

- Each team is given 3 precut lengths of CAT 5e and 6 RJ45 plugs.
- Each team must successfully make and test a total of 1 patch, 1 crossover, and 1 rollover cables based on the **568 B** standard.
- Teams are to use ACC's termination kits.
- Teams are to use ACC's cable tester to check the cable before they turn it into the judges.
- The competitors of the team can help each other. No one else is permitted to assist the teams.
- Each team member will pick one slip of paper out of the bag. This slip tells you the type of cable you are to make. With 2 member teams, 1 team member picks 2 slips.
- Team members can't exchange with teammates or return the slip of paper into the bag.
- No electronic or paper cheat sheets may be used.
- When a team member is ready to test out with the judges, bring the cable and slip of paper to the judge for scoring.
- If a team has <3 members, the team member returns to their seat to make the next cable.
- Time is recorded until all cables are turned into the judges for testing. Once Fluke testing has completed, the judge will stop the timer.
- Time limit of 20 minutes. If 20 minutes has passed and a team has not finished, time is stopped and cables are turned into the judges for partial scoring.
- In case of a **tie in points**, the team (not by individual) that completes the task in the shortest amount of time wins.
- Once you have been tested out, please clean up your area (through scraps in trash can) and return tools to center desk.

Earning points

Each cable is worth 20 points and will be judged for craftsmanship:

- Insulation crimped and no nicks in the sheathing
- Pairs fully inserted
- Nylon reinforcement cord trimmed
- Cables must be labeled properly
- Cables must pass a wire map (download) or no points will be awarded for that cable.
- Cables less than 12" – no points will be awarded.
 - New cables maybe requested due to student error, but loose points
 - If the cable fails, because of cable is bad itself, new cables will be given and no points will be lost and the time will be reset.

Deductions

- Points will be deducted for the use of any extra RJ 45 plugs used past the 6 needed.
- Points will be deducted for a new cable if the cable is cut below the 12" limit and it is a result of student error.
- Tools that are not left at the desk – automatic forfeit and school will be contacted for return or replacement.

Bonus

There is a 3-point BONUS if all 3 cables test out properly