

Assessment Task 1

Chart for wires

Aim: To understand the relationship between wire thickness, colour codes, and their corresponding applications in electrical wiring systems.

Description of task:

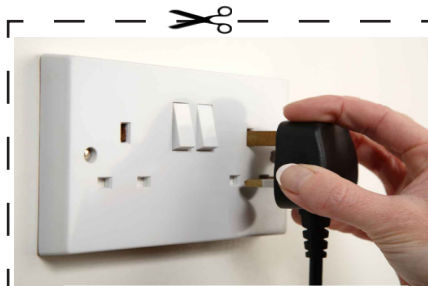
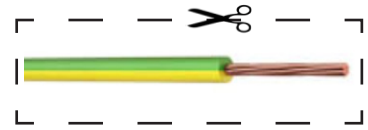
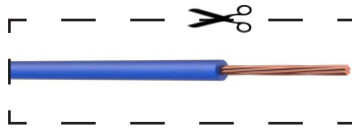
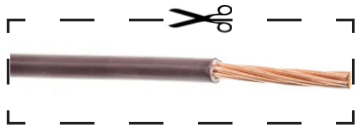
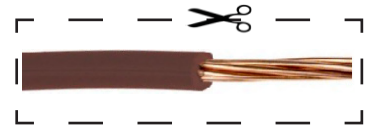
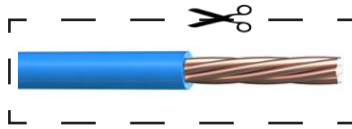
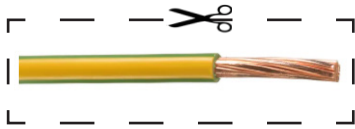
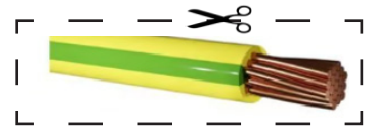
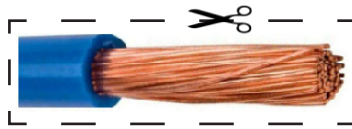
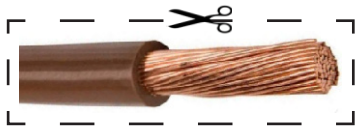
You have been provided with pictures of wires of different colours (representing **Live** , **Neutral** , and **Earth**) and of different thicknesses (1.5 mm², 2.5 mm², and 6 mm²) on the final page.

You are also provided with pictures (on the last page) that illustrate where wires of different thicknesses are typically used.

Procedure:

1. Cut out the pictures of the different wires.
2. Using paper glue, stick each wire picture in the correct row under the column titled “**Wires**” in the table on the next page.
3. Cut out the pictures illustrating the typical applications of different wire thicknesses.
4. Use paper glue to stick each picture to its respective row under the column titled “**Use**”.

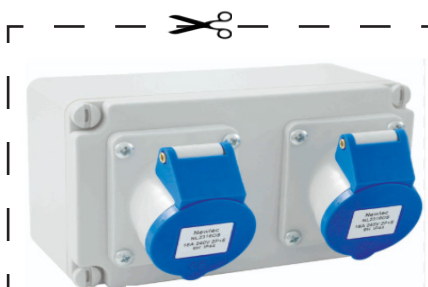
Thicknesses of wire(mm ²)	Color codes	Wires	Use
1.5	Live		
	Neutral		
	Earth		
2.5	Live		
	Neutral		
	Earth		
6.0	Live		
	Neutral		
	Earth		



Wires in a power socket for connecting different appliances



Lights



Industrial socket