

## Worksheet 1-080: Termination of plug top

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**NB:** Students must not attempt this exercise before the correct use of all tools and materials has been demonstrated.

### Technical data

- You are to make sure that your work area is clear and safe for work to proceed.
- You are to make sure that all your work conforms to the requirements of the Health and Safety at Work Act.
- All practical electrical installation exercises must comply with BS 7671:2018 (IET Wiring Regulations).
- All terminations must be mechanically and electrically sound.

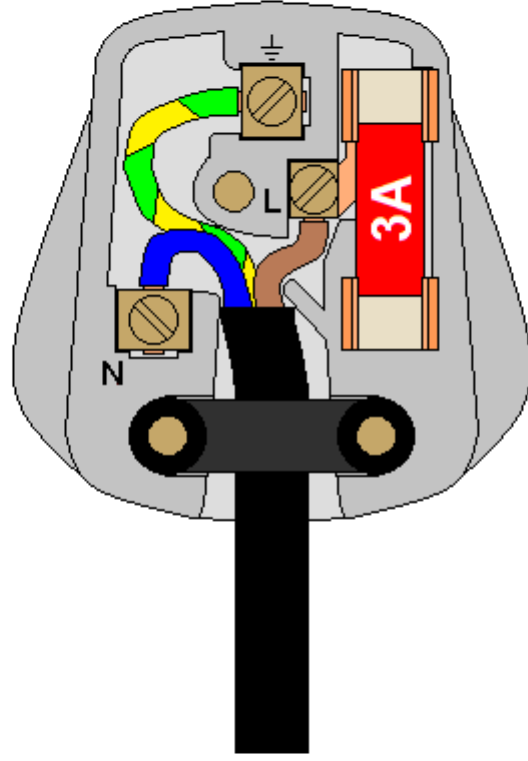
### Material required

1 off            3-core PVC insulated and sheathed flexible cable 0.75mm<sup>2</sup> x 150mm  
1 off            Fused plug, 13A, 3 pin

### Procedure

1. Enter the start time on the assessment sheet.
2. Prepare the material requisition for the required materials.
3. **Have the requisition checked before proceeding.**
4. Obtain the material from the stores.
5. Unscrew pin and remove plug-top to expose the terminals and the cord grip.
6. Strip the sheathing from the 3-core flexible cable to expose the length of inner cores required to complete the termination.
7. Insert cord into the cable grip and secure.
8. Strip core insulation to expose sufficient conductor for termination.
9. Twist the strands for each core and bend the end of each exposed conductor over in order to double its thickness and secure to the correct terminals.
10. **Hand the work to the Lecturer for marking and assessment.**
11. Enter the finish time on the assessment sheet.

**NB:** Conductors must fill and be contained within their terminals. Strands of conductors must **NOT** be visible outside of the terminal.



TITLE	
<b>Termination Of Plug Top</b>	
Dimensions in Millimeters	Target Time 45 Minutes
Scale N.T.S.	Ex No. 1/080

Assessments are based on **observed** safety procedures, and the **quality** and **accuracy** of the completed exercise.

		<b>YES</b>	<b>NO</b>
1.	Material requisition correct first time	<input type="checkbox"/>	<input type="checkbox"/>
2.	Method statement completed	<input type="checkbox"/>	<input type="checkbox"/>
	Assessed by: .....		
3.	Securely assembled	<input type="checkbox"/>	<input type="checkbox"/>
4.	No unsheathed conductors visible	<input type="checkbox"/>	<input type="checkbox"/>
5.	Cord grip used and cord secure	<input type="checkbox"/>	<input type="checkbox"/>
6.	No stray conductor strands visible	<input type="checkbox"/>	<input type="checkbox"/>
7.	Core insulation to within 2mm of the terminals	<input type="checkbox"/>	<input type="checkbox"/>
8.	Terminals tight	<input type="checkbox"/>	<input type="checkbox"/>
9.	Conductors secure, doubled and undamaged	<input type="checkbox"/>	<input type="checkbox"/>
10.	Conductors installed into the correct terminals	<input type="checkbox"/>	<input type="checkbox"/>
11.	Overall appearance to a commercially acceptable standard	<input type="checkbox"/>	<input type="checkbox"/>
12.	Work area conformed to requirements of HASAWA	<input type="checkbox"/>	<input type="checkbox"/>
13.	Correct safety procedures observed at all times	<input type="checkbox"/>	<input type="checkbox"/>

Assessed by: .....

Start Date & Time: ..... Finish Date & Time: .....

Target Time: 45 minutes Time Taken: .....

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