

Worksheet 1-090: Termination of ceiling rose

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.

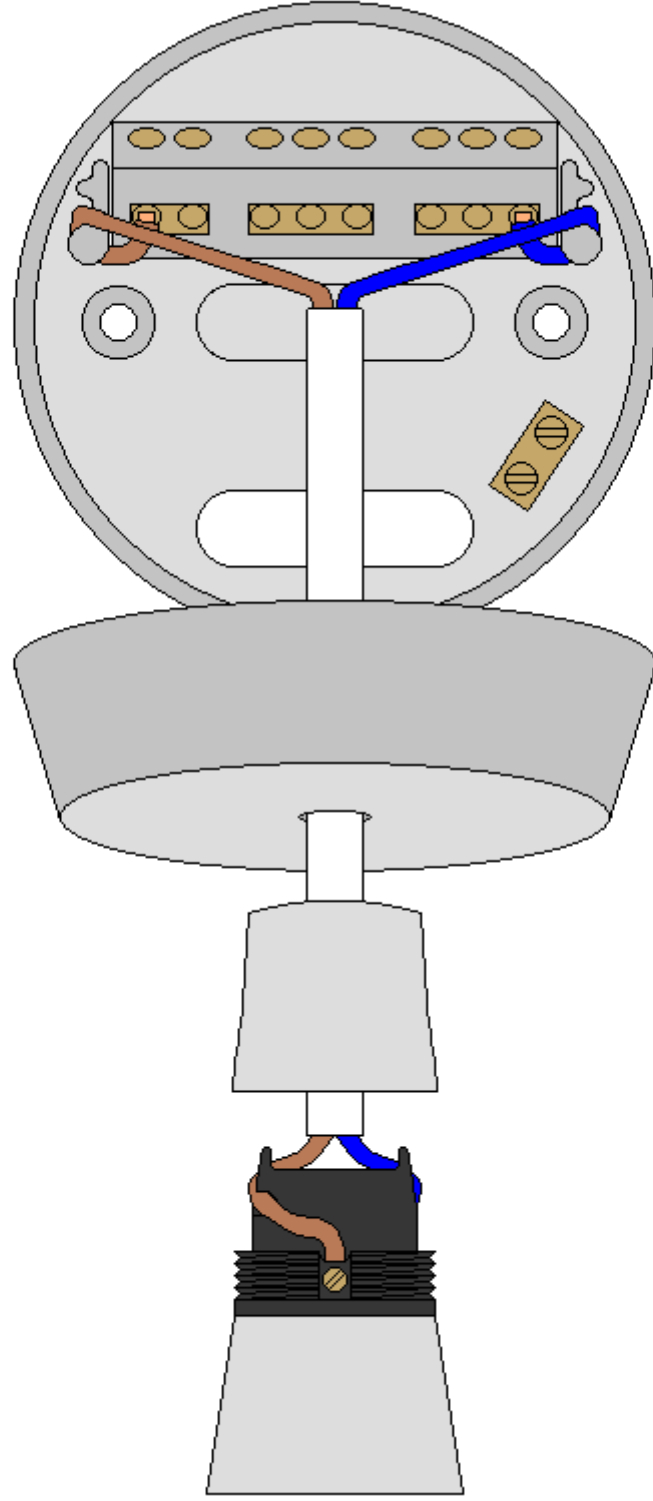
Material required

1 off	Twin heat resistant flexible cord 0.5mm ² x 300mm
1 off	3-plate ceiling rose
1 off	Pendant bayonet cap (BC) lamp holder

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 the top from the lamp holder body to expose terminals.
6. Strip back an appropriate amount of sheathing from one end of the heat resistant flexible cord.
7. Remove the insulation to expose a length of conductor approximately equal to twice the length of the terminal connection.
8. Twist the strands for each core and bend the end of each exposed conductor over in order to double its thickness.
9. Connect one core into each of the lamp holder terminals.
10. Ensure that the flexible cord is secured by the cord grip and screw on the lamp holder top.
11. Remove sheathing and insulation from the other end of the flexible cord (procedures 6 to 8) so that on completion the exposed sheathing on the flexible cord measures 150mm.
NB: The amount of exposed core insulation needs to be longer than for the lamp holder.
12. Remove the cover from the ceiling rose base and thread onto the flexible cord.
13. Connect one core into each of the correct ceiling rose terminals.
14. Ensure that the flexible cord is secured by the cord grip and fix ceiling rose cover to base.
15. **Hand the work to the Lecturer for marking and assessment.**
16. 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	Termination Of Ceiling Rose	
Dimensions in Millimeters	Target Time	45 Minutes
Scale N.T.S.	Ex No.	1/090

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

		YES	NO
1.	Material requisition correct first time	<input type="checkbox"/>	<input type="checkbox"/>
2.	Method statement completed	<input type="checkbox"/>	<input type="checkbox"/>
3.	Lamp holder and ceiling rose covers tight	<input type="checkbox"/>	<input type="checkbox"/>

Assessed by:

Lamp holder

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.	Overall appearance to a commercially acceptable standard	<input type="checkbox"/>	<input type="checkbox"/>

Assessed by:

Ceiling rose

11.	No unsheathed conductors visible	<input type="checkbox"/>	<input type="checkbox"/>
12.	Cord grip used and cord secure	<input type="checkbox"/>	<input type="checkbox"/>
13.	No stray conductor strands visible	<input type="checkbox"/>	<input type="checkbox"/>
14.	Core insulation to within 2mm of the terminals	<input type="checkbox"/>	<input type="checkbox"/>
15.	Terminals tight	<input type="checkbox"/>	<input type="checkbox"/>
16.	Conductors secure, doubled and undamaged	<input type="checkbox"/>	<input type="checkbox"/>
17.	Conductors installed into the correct terminals	<input type="checkbox"/>	<input type="checkbox"/>
18.	Overall appearance to a commercially acceptable standard	<input type="checkbox"/>	<input type="checkbox"/>

Assessed by:

General

19.	Work area conformed to requirements of HASAWA	<input type="checkbox"/>	<input type="checkbox"/>
20.	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:
