



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Cable Jointer (Dead Cable) Trade Test Mock Practical Test Paper

此文件關於強電流電纜接駁技工（不帶電）工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9000 與香港建造業工藝測試中心聯絡。

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Test Paper for Trade Test

Job Title : Cable Jointer (Dead Cable)

Skill Level : Skilled worker

Time Limit : 4 hours

Test : Complete the following practical task at the specified locations:

Task : Cable jointing

1. Use equipment to test the insulativity of the cable, and state the result on the test form.
2. Connect two 300mm² 3-core induction wire and cross-linked polyethylene insulated cable (with metal protection cover).
3. 1 After jointing the cables, place into the straight cable jointing hub.
4. Conduct dielectric withstand test for 5 minutes. Candidates will only pass the test if the cable shows no sign of electricity leakage.

Note: Candidates are required to assist the preparation of dielectric withstand test. The preparation time would not be counted in the time limit



(Reference diagram)

- ◆ There is one task in this test and the total mark is 100. Candidates must obtain 60 marks or above to pass this practical test.
- ◆ Please note that all fixed electrical installations at the site must be performed by registered Electrical Workers.

List of materials, equipment, tools and safety utensils

Item	Materials	Quantity
1	300mm ² 3-core induction wire and cross-linked polyethylene insulated cable (with metal protection cover)	2
2	cross-linked polyethylene insulated cable jointing components	2 sets
3	Straight cable jointing hub basic components	1 set
Item	Equipment	Quantity
1	Insulativity meter	1
2	Multi-meter	1
3	Cleaner	1
Item	Tools	Quantity
1	Cable core plier	1
2	Measuring tape	1
3	Isolator	1
4	Hand saw	1
5	Round-head hammer	1
6	Wood file	1
7	Round file	1
8	Pusher	1 set
9	Adjustable socket wrench	1 set
10	Electrician's knife	1
11	Combination plier	1
12	Plier	1
13	Scissors	1 pair
14	18mm socket wrench	1
15	Limited depth knife	1
16	Electronic lighter	1
17	Fire-burning heating tools	1 set
Item	Safety utensils	Quantity
1	Cut resistant gloves	1 pair
2	Chemical protective gloves	1 pair

Note: After completing the test, candidates should return all borrowed tools as well as this test paper. Candidates may not leave until the invigilator's instructions.

Notes to Candidates :

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Candidates should study the drawings and specifications attached to test papers, if any, before the test begins.
3. Candidates should carry out the test according to test papers, working drawings and specifications provided.
4. Candidates shall bring their own safety shoes, other safety equipment will be provided by trade testing centre. Candidates must take all necessary safety precautions to ensure work safety.
5. All tools and materials required by the test will be provided by trade testing centre, candidates should check and ensure their adequacy and quality. Candidates shall use the tools and materials properly based on trade practice. All the tools must be returned to trade testing centre after the test. The candidates may ask the invigilator for any problems.
6. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
7. Invigilator will take record photos periodically during the test.
8. Candidates are not allowed to take any photo or video with cameras or mobile phones.
9. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.

10. The marking scheme is based on the following criteria :

- a) Understanding of drawing and specification
- b) Preparation works before commencement of test
- c) Working procedures
- d) Accuracy and quality of works
- e) Progress of works
- f) Proper handling and use of materials
- g) Proper use of tools and equipment
- h) Safety precautions
- i) Considerate of other trades
- j) Housekeeping after completion of test

11. All candidates must stop when time is up.

12. Candidates are required to return the test paper to invigilator after the test.

13. Offering bribe to invigilator is an offence in law and trade testing centre will report to the ICAC for any such case.

In the event that the candidate fails to take any necessary safety precautions and / or works in any dangerous situations, he / she will be assessed failed.