



इ रि से ट
बाहरी दूरसंचार प्रयोगशाला
प्रयोग नं: एल पी - 4

IRISET
OUTDOOR TELECOMMUNICATION
LABORATORY
EXPERIMENT NO.: LP - 4

नाम

Name : _____

अनुक्रमांक

Roll No : _____

पाठ्यक्रम

Course : _____

दिनांक

Date : _____

प्राप्त अंक

Marks Awarded : _____

अनुदेशक का अधाक्षर

Instructor Initial : _____

**STUDY OF VARIOUS TYPES OF UNDERGROUND
CABLES AND JOINTING METHODS**

1) Different types of cables and their identification:

S.No.	Type of Cable	Identification of Pairs/Quads	Uses
1.	SWITCH BOARD CABLE		
2.	FIELD SERVICE CABLE		
3.	PIJF		
4.	Rly. Electrified Area Main Cable		
5.	RE Derivation Cable		
6.	6 – Quad Cable		

II) Materials required for making a cable joint:

Purpose of each item

1. Paper sleeve
2. Paper tape
3. Cotton tape
4. Empire tape
5. Silicon jel
6. Lead sleeve
7. Wiping solder
8. Anti corrosive tape
9. Earthing strip
10. Kerosin
11. Petrol
12. Paraffin wax
13. Cast iron protection box
14. Bitumen compound

III) Steps to be followed during cable jointing:

REVIEW QUESTIONS:

1. Indicate how to identify Quads in 0 + 12 + 2 RE main cable (With a small sketch).

2. How will you identify the pairs of a PIJF – 20 pair cable?

	White	Red	Black	Yellow
Blue				
Orange				
Green				
Brown				
Black				

3. What are the precautions taken during cable jointing work?

4. What are the main differences between cables used in RE area and cables used for auto telephone circuits?
5. What are the various types of joints done in RE Cables? Indicate how a transformer joint is done?

Date:

Signature of Trainee