

Hands-On

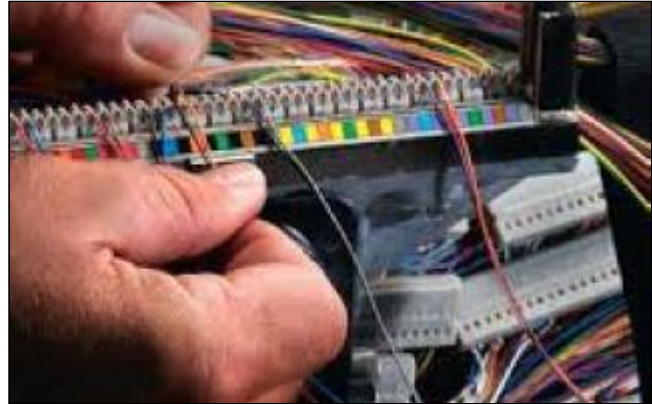
# Copper Cable Splicing



## Course Description

This Hands-On 3-day course is suited for the technician who will be splicing, maintaining and Test Accepting paired copper cables in the OSP. This course will train students to splice and maintain cables in aerial, and direct buried applications.

Students will learn how to splice cables in new construction, as well as dealing with cut-overs in existing cable plant. This is a lab intensive course and will develop the Hands-On practical skills in splicing, maintaining and troubleshooting that are required for an outside plant cable environment.



## Students Will Learn

- **The proper techniques to Open, Bond & Splice Copper Cables Correctly**
- **The Correct Pairs to Splice**
- **The Correct Closure for the Application**
- **Safety**
- **Print Reading**
- **Color Code**
- **Cable Counts**
- **Bonding & Grounding**
- **Splicing Connectors ( Scotch locks Modules Amps )**
- **Splicing Techniques & Tools**
- **Test Acceptance of Cable Sections**
- **Aerial Terminals & Closures**
- **Buried Splice Closures**
- **Pedestals**
- **and more...**

## Target Audience

Anyone who is entering the telecommunications industry who will be required to splice, maintain and troubleshoot paired copper PIC telecommunications cables in an outside plant environment.

## Prerequisites

A basic understanding of mathematics and be able to pass a color blindness test.

## Course Outline

### Lesson I. Safety

### Lesson II. Closure Types

- a. Aerial
- b. Buried/Underground
- c. Vault

### Lesson III. Splicing Errors

- a. Identifying
- b. Correcting

### Lesson V. Splice Connector Types

- a. Single Pair
- b. Modular
- c. Applications

### Lesson VI. Bonding & Grounding

- a. OSP
- b. Cable Vault
- c. Special Equipment

### Lesson VII. Pair Counts

- a. Cable Descriptions
- b. Cable Counts
- c. Sheath Counts
- d. Cut Sheets

**Labs:**

- a. Buried Closure Application
- b. Aerial Closure Application
- c. Branch Cable Installation
- d. Terminal Installation
- e. Pedestal Splice
- f. and More...

## Delivery Method

Instructor led with numerous Hands-On labs and exercises.

## Equipment Requirements

**(This apply's to our hands-on courses only)**

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

## Course Length

3 Days