



## Cable Splicing and Terminations 36 Hour Course

### Who Should Attend?

This course will be of benefit to cable splicers, supervisors, field engineers, plant engineers and others with the responsibility for the splicing, testing and evaluation of the most common types of solid-dielectric power cables rated from 2.3kV to 15kV.

### Course Description:

Participants will cover the requirements for preparing power cable for splicing, selecting the correct tools, tapes and materials, and splicing solid-dielectric power cable, including XLP, PE/XLPE, and other common types. Students will prepare power cables, splice using tape and molded kits, and test them to verify their integrity.

### Outline:

- I. Introduction**
  - A) Student introductions
  - B) Pre-Test
  - C) Safety
  - D) Cable construction and functions
  - E) Preparing the work area
  - F) Materials and tools
  - D) Constructing the splice kits
    - i) Tape
    - ii) Molded components
- II. Straight Splice**
  - A) Preparation
  - B) Taping techniques
  - C) Dimensions
  - D) Constructing the splice kits
    - i) Tape
    - ii) Molded components
- III. Stress Cones and Terminations**
  - A) Preparation
  - B) Dimensions
  - C) Constructing the stress cone
- IV. Tee Splice**
  - A) Preparation
  - B) Taping techniques
  - C) Constructing the tee splice
- V. Corona and Test Methods**
  - A) Cause of corona
  - B) Effects of corona
- VI. Testing Voltage levels**
  - A) Test methods
  - B) Interpretation of results

***TDSTI***