

Training Title

POWER CABLE SPLICING, TERMINATION & TESTING

Training Duration

5 days

Training Venue and Dates

REF EE017	Power Cable Splicing, Termination & Testing	5	8-12 Apr	\$4,250	Dubai, UAE
--------------	---	---	----------	---------	------------

In any of the 5 star hotel. Exact venue will be informed later.

Training Fees

- 4,250 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING OVERVIEW

TRAINING DESCRIPTION

Power distribution cables play an important part in distributing electric energy in areas where the use of overhead lines is impossible like populated areas and similar constraints. Mechanical failures can be due to breaks and defects of sheath material, mechanical punctures by people or machines. or cracks due to sharp bending or vibration. Whenever mechanical damage occurs in the cable sheath, the entrance of moisture will produce slow deterioration of insulation material, resulting in eventual failure of the cable. It is important therefore to take every precaution that either direct or indirect mechanical damage be eliminated or minimized by proper selection, installation, and maintenance of cable systems.

This course is designed to ensure that those responsible for, maintaining, terminating and troubleshooting power cables understand the technical issues involved and comply with relevant specifications and requirements.

The reason of the course: www.definettraining.com

- This course will aid you in recognize cable types and construction
- This course will aid you to maintain & testing the cable
- This course will aid you in jointing and termination of cable

COURSE OBJECTIVES

- * Identify the Cable types .
- * Recognize failure reasons.
- * Recognize the testing.
- * Recognize Joints &its types.
- * Cable termination, testing &fault diagnosis.

- * Study the Fault location techniques.
- * Recognize of spiking tools.

WHO SHOULD ATTEND?

- Electrical engineers
- Junior Electrical engineers.
- Electrical technicians and supervisors

TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

All presentations are made in excellent colorful power point. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

COURSE OUTLINE

Following Topics will be covered in 5 days

Day 1

- Cable constituents & materials
- Sheath and protective covering
- Cable Construction www.definettraining.com
- Cable Insulation

Day 2

- Shielding and Semiconducting Tape
- Cable Construction according to applied voltage
- Electrical Equipment Protective Measures
- Sheath or Jacket Defects

Day 3

- Insulation Defects
- Inherent Causes for failure

- Non inherent Causes for failure
- Mechanical Damage can be due to the following

Day 4

- Power and Distribution Cable Checks
- Recommended Cable Tests
- Basic Test Equipment
- Safety Practices while cable testing

Day 5

- jointing of underground cables and termination at electrical equipment
- Jointing material and accessories
- Jointing tools and preparation.
- Environmental consideration
- Operation, maintenance, and fault detection of power cables.

TRAINING OUTCOME

When you have completed this course you will be able to determine the maintenance, testing & locate the fault of power and lighting circuit cables and you will be identify to:

- Cable Construction
- Cable Insulation
- Shielding and Semiconducting Tape
- Cable Construction according to applied voltage
- Electrical Equipment Protective Measures
- The cable failures
- Sheath or Jacket Defects
- Insulation Defects
- Inherent Causes for failure
- Noninherent Causes for failure
- Mechanical Damage can be due to the following
- Power and Distribution Cable Checks
- Recommended Cable Tests
- Basic Test Equipment
- Safety Practices while cable testing
- Cable Fault Locating Methods
- Tracing Techniques
- Application Guide for Cable Fault Locating
- Locate Faults in Primary Cable
- Test Equipment for Fault Location
- Street Lighting Cable Fault Location Using the Lexxi T810™ and the T272 High Resistance Cable Fault Locator
- Propagation Velocity Factor (Pvf)
- Methods of Establishing PVF
- Perform the Cable terminate and entrance to MCC

P.O BOX 45304 ABU DHABI U.A.E
T +971 2 626 4455 F +971 2 6275344
training@definetraining.com www.definetraining.com

- Know Methods of locating faults and in installed cable and methods of repair.

NOTE:

Pre & Post Tests will be conducted, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.



www.definettraining.com