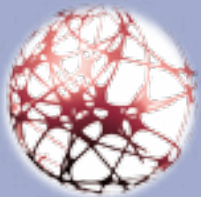




GCC Electrical
Testing Laboratory
المفتبر الفليبي لفمص الممدات الكهريانية

MV cable joint. Theory and applications

Distribution networks are increasing the utilization of cables, mainly in urban area. Joint are usually the weakest point of the cable system, due to the necessity to have skilled and trained operators.



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Education
Course Code: M04



JUNE
24 - 28
2018



GCC Electrical Testing Laboratory

المختبر الفليبي لفحص المعدات الكهربائية

Objectives

To familiarize with the main MV joint technology and the mounting techniques

Addressed to:

Basic design engineer, procurement officers

Duration:

3 Full Days

Location/Venue:

GCCIA HQ, Dammam

Course Fees:



PROGRAM

The Course program contains the following training outline:

DAY 1

DAY 1: Cables system – Part 1

- Basic classification of cables
- Basic manufacturing technology of cables
- Insulating material XLPE, HTPE, EPR, Impregnated paper
- Semi conductive shields
- basic of electrical calculations
- Identification according CENELEC HD 361

DAY 2

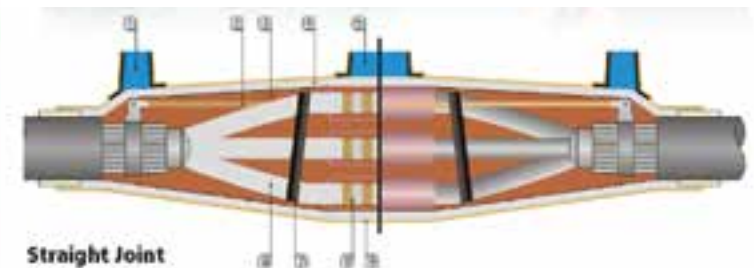
DAY 2: Cables system Part 2

- Electrical field in cable systems
- Thermal stress
- Temperature limits
- Cable earthing
- Mechanical characteristics
- Problems in cable laydown
- Fire behavior
- Cable accessories
- electrical field control
- Cable termination technology
- Available joints

DAY 3

DAY 3: Practical Exercise in Cable Jointing

- Tools for cable preparation and joint mounting
- technique of preparation
- in field mounting environmental condition
- heat shrink, cold shrink
- Testing



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