

## PART 1 - GENERAL

### 1.1 SUMMARY

- A. Submit product data for each type of cable including splices and termination.
- B. Engage a cable splicer, trained and certified by splice material manufacturer to install, splice, and terminate medium-voltage cable.
- C. Cable shall be tested by qualified third party testing agent after installation.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Cable Manufacturers:
  - 1. Okonite Company.
  - 2. Pirelli Cables & Systems NA.
  - 3. Southwire
- B. Cable Splicing and Terminating Products Manufacturers:
  - 1. Raychem Corp.; Telephone Energy and Industrial Division; Tyco International Ltd.
  - 2. RTE Components; Cooper Power Systems, Inc.
  - 3. 3M.
- C. Cable type shall be 15KV, MV105, Copper, Ethylene-propylene rubber insulation with 133 percent insulation level, shielded.
- D. Splice kits: Combination tape and cold-shrink-rubber sleeve and pre-molded EPDM splicing body types.
- E. Shielded cable termination terminations: Class 1 indoors, kits with stress-relief tube.
- F. Separable insulated connectors with load-break cable terminators and test point fault indicators.

## PART 3 - EXECUTION

### 3.1 GENERAL

- A. All medium voltage cable shall be in conduit.
- B. Use pulling means that will not damage cables and raceways.
- C. Minimize cable splices except at point of connection to campus system and cable termination in equipment.
- D. After installing medium-voltage cables and before electrical circuitry has been energized, test for compliance with requirements.
- E. Cables shall be tested and inspected according to ICEA S-94-649 and ICEA S-97-682.

END OF SECTION