

## **DIVISION 16 - ELECTRICAL**

### **Section 16122- PRIMARY POWER CABLES**

#### **Introduction (Refer to Appendix For Approved Master Spec.)**

The goal at this site is to provide looped power distribution to all buildings on the main campus power system. All cables should be capable of connecting to either 13.8 KV systems. The cable should be either tied to an existing looped system with PMH switches or to a new looped distribution system as per the U of A Electrical Engineer. All cable should be shielded and run in duct banks outside of the existing (or new) tunnel system.

#### **Part 1 - General**

- All dead breaks shall have test point.
- Preferred manufacturers are Richards, 3M, Elastimold and Raychem.
- Incorporate attached specification as applicable into your specification.

#### **Part 2 - Products**

- Incorporate attached specification as applicable into your specification.

#### **Part 3 - Execution**

- All installations and terminations shall be inspected by PDC and FM Medium Voltage shop prior to energization.
- Incorporate attached specification as applicable into your specification.
- All installations shall be inspected by UFS Engineer, UFS Inspectors, and FM Medium Voltage shop prior to energization.

#### **End of Section 16122**