

## **Electrical**

### **Medium Voltage Cable (26 05 13)**

**For questions regarding this section contact: AECM  
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#### **Part 1 – General**

- Reference: [Uptown Campus, Primary Electric Master Plan](#), pages 2 - 7
  - Triple tandem extruded, all EPR system per UA document; Uptown Campus, Primary Electric Master Plan - Program Study, Design Standards.

#### **Part 2 – Product**

- Okoguard cables or equal to meet or exceed all recognized industry standards (UL, AEIC, NEMA/ICEA, IEEE).
  - For 105°C continuous operating temperature
  - 140°C emergency rating
  - 250°C short circuit rating
  - With excellent corona resistance
  - Screens are clean stripping
  - Exceptional resistance to "treeing"
  - Moisture resistant
  - Resistant to most oils, acids, and alkalis
  - Sunlight resistant.
  - Improved Temperature Rating
- Approved vendors: Kerite, Pirelli, Okonite

#### **Part 3 – Execution**

- Contractors, accompanying their bid proposals, shall submit written evidence documenting that they have satisfactorily completed a minimum of three (3) similar medium-voltage projects, of equal or greater dollar value, within the previous five (5) years, and shall also submit the resumes of proposed electricians expected to perform the contract's cable pulling and splicing work.
- Ensure all pulling procedures and compounds are as approved and certified by the cable manufacturer.
- All single core cables shall be triplexed on reels prior to shipment at the factory
- No cable over 6 months old, when delivered to site, shall be used.
- A separate grounding conductor of #4/0 shall be run all along, and bonded to the cable sheath and manhole grounding system at every splice or termination.
- Submit the following, certified by the manufacturer, for the full cable run and obtain campus facilities engineering approval prior to start of work:
  - Side wall pressure profile
  - Cable tension profile
  - Cable pulling implementation plan, including ways and means of execution.
- Submit high voltage cable Splicer/Terminator certification of competency and experience 30 days before splices or terminations are made in high voltage cables.
- Splicer/Terminator experience during the immediate past 5 years shall include regular and ongoing performance in splicing and terminating cables of the type and classification being provided under this Contract.