

PART 1 - GENERAL

PART 2 - PRODUCTS

PART 3 - EXECUTION

- 3.1 Cable Installation in Ducts
- .1 Install cables as indicated in ducts.
 - .2 Do not pull spliced cables inside ducts.
 - .3 Install multiple cables in duct simultaneously.
 - .4 Use CSA approved lubricants of type compatible with cable jacket to reduce pulling tension.
 - .5 Before pulling cable into ducts and until cables properly terminated, seal ends of lead covered cables with wiping solder; seal ends of non-leaded cables with moisture seal tape.
 - .6 After installation of cables, seal duct ends with dust sealing compound.
- 3.2 Field Quality Control
- .1 Perform tests in accordance with Section 26 05 01 Common Work Results - Electrical.
 - .2 Perform tests using qualified personnel. Provide necessary instruments and equipment.
 - .3 Check phase rotation and identify each phase conductor of each feeder.
 - .4 Check each feeder for continuity, short circuits and grounds. Ensure resistance to ground of circuits is not less than 50 megohms.
 - .5 Pre-acceptance tests.
 - .1 After installing cable but before splicing and terminating, perform insulation resistance test with 500V megger on each phase conductor of the 120 /208 volt system and with

3.2 Field Quality Control
(Cont'd)

- .5 (Cont'd)
 - .1 (Cont'd)
a 1000 volt meggar on each phase conductor of the 600/347 volt system.
 - .2 Check insulation resistance after each splice and/or termination to ensure that cable system is ready for acceptance testing.
- .6 Provide Departmental Representative with list of test results showing location at which each test was made, circuit tested and result of each test.
- .7 Remove and replace entire length of cable if cable fails to meet any of test criteria.