

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

PWGSC  
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Installation of Cables  
In Conduits

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3.2 Field Quality .5  
Control  
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- .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.