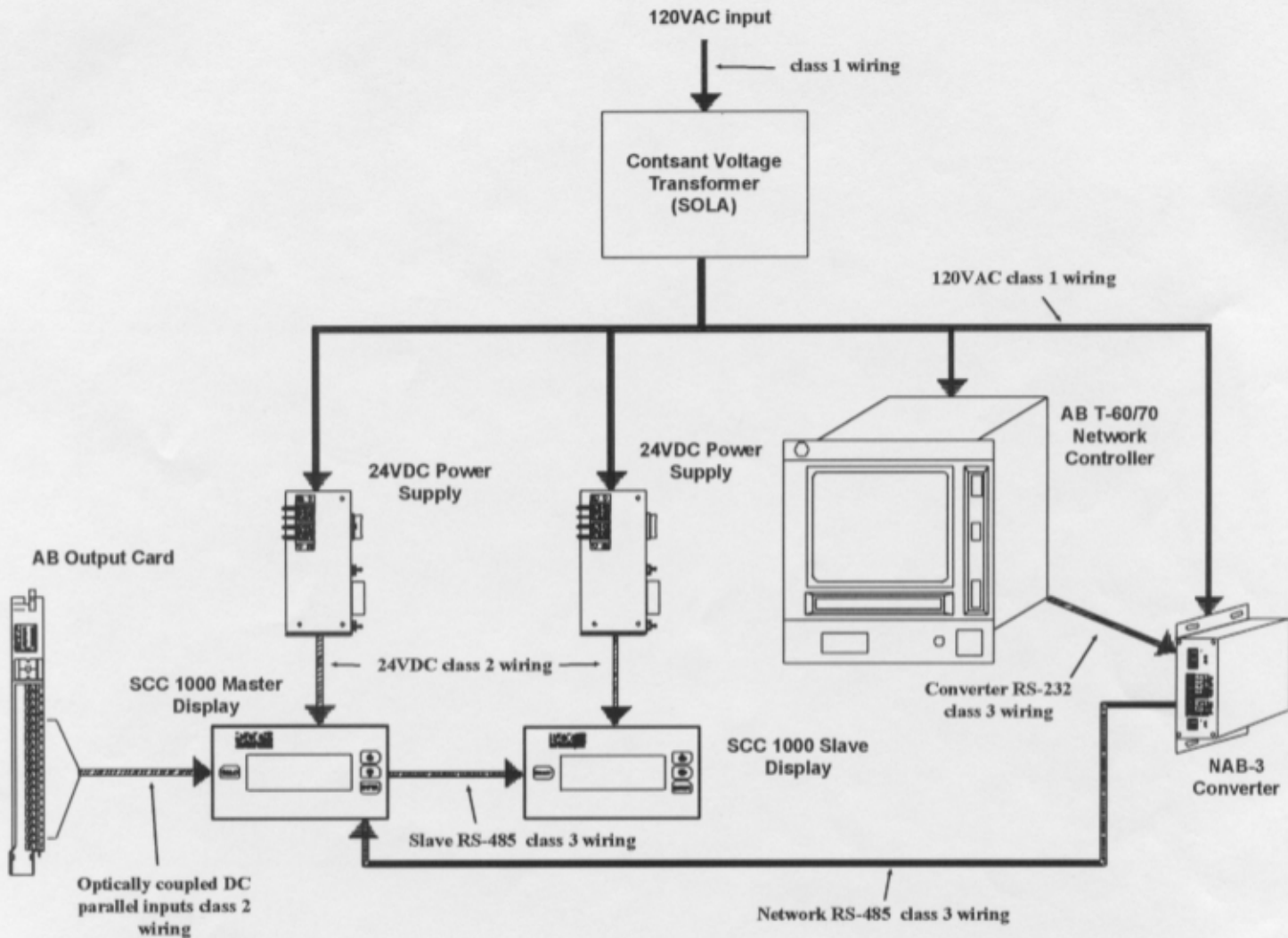




S.C.C. 1000 Display Wiring Practices

Wiring for the SCC Displays is shown below:



Class 1 wiring that is used with the SCC Display is the 120VAC power that is feeding the DC supplies, The NAB-3 converter and the AB T-60/70 controller. These should be fed from a constant voltage transformer. Class 1 wires can be run along with other class 1 wiring, but should not be run in close proximity to 220VAC or 440VAC wiring. Class 1 wires may be broken by any number of terminal strips or connectors, and require no shielding of the wires.

Class 2 wires associated with the Display are the 24VDC power wires, and the optically coupled parallel input 24VDC wires. These wires usually do not require shielding. Optically coupled inputs should be kept to a maximum of 20 feet, and the DC power wires should be kept to a maximum of 6 feet. Class 2 wiring can be broken with terminal strips or connectors, but these breaks should be kept to a minimum. Class 2 wires should not be run in close proximity to class 1 wiring.

Class 3 wiring that is used with the Display are the communications wires. Class 3 wires must be shielded and cannot be broken by terminal strips or unshielded connectors. Class 3 wires may be broken by a connector, provided the connector is a shielded type. Connectors should be kept to a minimum. The shield is to be connected at one end only, and terminated to earth ground or a common grounding point. Class 3 wires should not be run in close proximity to other classes of wiring.