

Recommended Fuse Specification

General

Fuses shall be delivered to the job site in manufacturer's original packaging, and shall be kept in a clean, dry, protected environment until ready for installation. Fuses shall not be inserted in equipment until the equipment is installed in place, completely connected, and tested for insulation integrity. To insure that system coordination and selectivity is maintained, all fuses shall be of the same manufacture. Fuses shall be of the type and ampere rating indicated except where electrical system changes require modification of ampere ratings. In all such cases, the engineer shall be advised and their approval obtained prior to any proposed changes.

A. Fuses

All fuses rated 600 volts or less and used for main switchgear, distribution panels, motor control centers, fused disconnect switches, and all other fusible items shall be Underwriters Laboratories listed, current-limiting fuses with 200,000 ampere interrupting rating. Fuse classes and sizes indicated on the drawings have been selected to provide a fully coordinated selective protection system. Should equipment provided require a different U.L. Class or size of fuse, the engineer shall be furnished sufficient data to ascertain that system function will not be adversely affected.

1. 250 Volts or Less:
 - a. 30 amperes and less:
Class RK5, dual-element, time-delay
Littelfuse POWR-GARD Products, FLNR series
 - b. 35 amperes through 600 amperes:
Class RK5, dual-element, time-delay, with integral indication
Littelfuse POWR-GARD Products, FLNR_ID series
 - c. 601 amperes and larger:
Class L
Littelfuse POWR-GARD Products, KLPC series
2. 600 Volts or Less:
 - a. 600 amperes and less:
Class RK1, dual-element, time-delay, with integral indication
Littelfuse POWR-GARD Products, LLSRK_ID series
 - b. 601 amperes and larger:
Class L
Littelfuse POWR-GARD Products, KLPC series

B. Spare fuses.

Provide a suitable, locked cabinet in the main switchgear room, containing spare fuses as follows:

1. For fuses 100 amperes and smaller, provide one standard spare package of each size, type, and ampere rating as actually installed on the job. For fuses over 100 amperes, provide a total of 6 spare fuses of each size, type, and amperage rating as actually installed. The above spare fuse requirements shall apply to fuses installed in main switchgear, distribution panels, motor control centers, fused disconnect switches, and all other fusible items.
2. Cabinet shall contain a typewritten list of fuse types, amperages, and quantities furnished as spares. List shall include the names, addresses, and telephone numbers of at least 2 local electrical supply firms which stock such fuses.