

Cooker Installations (Domestic)

We are aware that cookers are now being installed with loadings exceeding 10Kw. Please be aware of the National Rules for Electrical Installations (ET101) requirements when designing circuits for such loads.

Informative Annex 55A rule 3.3 requires the cable and switchgear for cookers over 10Kw is calculated.

Table A52-F1 should be used to verify the cable size. Volt drop should also be taken into account using Table A52-J1.

Max permissible Volt drop is 4% (9.2V) and the calculation is:

$$\frac{\text{Load x Length x mV/a/m}}{1000}$$

$$1000$$

Also the Isolator must be capable of switching the full load.

The above requirement should be applied in conjunction with the manufactures recommendations.