

(PREVIEW)

*Indian Standard*

# SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

## PART 2 PARTICULAR REQUIREMENTS

### Section 45 Electric Heating Tools

#### 1 SCOPE

This clause of IS 302-1 (1979) is applicable except as follows:

##### 1.1 Replacement

This standard applies to portable electric heating tools and similar appliances, with or without motors, their rated voltage not exceeding 250 V ac single phase or dc.

Portable electric heating tools and similar appliances, hereinafter referred to as tools, which can be mounted on a support for use as fixed tools without any alteration of the tool itself, are within the scope of this standard.

Tools not intended for normal household use, but which nevertheless may be a source of danger to the public, such as tools intended to be used by laymen in shops, in light industry and on farm, are also within the scope of this standard.

Examples of tools that are within the scope of this standard are:

- Soldering irons;
- Desoldering irons;
- Soldering guns;
- Conduit-soldering tools;
- Thermoplastic conduit-welding tools;
- Film-welding tools;
- Household film-welding appliances;
- Plastic-cutting tools;
- Branding tools;
- Burning-in pens;
- Stripping pliers;
- Paint strippers;
- Fire lighters;
- Heat guns;
- Glue guns; and

- Dehorning tools.

This standard does not take into account the special hazards which exist in nurseries and other places where there are young children or aged or infirm persons without supervision; in such cases, additional requirements may be necessary.

This standard does not apply to:

- Tools for high-frequency heating;
- Arc welding and carbon-arc brazing equipment; and
- Tools intended to be used in explosive atmospheres.

For tools intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary.

## **ANNEX AA**

### **(Foreword)**

<i>IS No.</i>	<i>Title</i>
302-1 (1979)	Safety of household and similar electrical appliances : Part 1 General requirements ( <i>fifth revision</i> )
694 : 1990	PVC insulated cable for working voltages up to and including 1 100 V ( <i>third revision</i> )
1416 : 1972	Safety transformers ( <i>first revision</i> )
9968 (Part 1) : 1988	Elastomer insulated cables : Part 1 For voltage up to and including 1 100 V ( <i>first revision</i> )