

IS 694:2010

Reaffirmed 2015

PVC Household Wiring Cable

Scope and construction

This standard covers general requirements of single and multicore cables/cords with rigid as well as flexible annealed bare/copper with tin coating and aluminium conductor, insulated and sheathed (if any) with polyvinyl chloride (PVC) for rated voltages up to and including 450/750 V ac, 50 Hz used in electric power and lighting including outdoor and low temperature use.

This standard covers the following categories of cables:

| <u>Category Code</u> | <u>Environment Description</u> |
|-----------------------------|---------------------------------------|
| 01 | Cables for indoor installation |
| 02 | Cables for outdoor installations |
| FR | Flame retardant |
| FR-LSH | Flame retardant low smoke and halogen |

Requirements

The standard specifies requirements for Single core cables/cords for fixed and flexible wiring and Sheathed single and multicore cables/cords for fixed and flexible wiring.

Exclusions

The following types of cables are not covered in this standard: a) Telephone cables, b) PVC data transmission cables, c) Instrumentation cables, d) PVC insulated screened communication cables (braid/ wires/tapes), and e) Flexible power cord other than PVC insulated. This standard does not cover the requirements of flame retardance test for bunched cables.