

IS 694 – Short Summary

IS 694 ‘**Polyvinyl Chloride (PVC) Insulated, Unsheathed /Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages upto and including 450/750 V**’ covers general requirements of cables used in electric power and lighting including cables for outdoor and low temperature use.

The requirements of single and multicore cables/cords with rigid as well as flexible, annealed bare/tinned copper and aluminium conductor, insulated and sheathed (if any) with PVC, for rated voltages up to and including 450/750 V ac, 50 Hz are covered in this Standard. These cables may also be used on dc systems for rated voltages up to and including 1500 V to earth.

Cables with fire performance category in FR (Flame Retardant) and category FR-LSH (Flame Retardant, Low Smoke and Halogen) with conductor temperature not exceeding 70°C or 85°C also are covered in the Standard, and are required to qualify and comply with the additional requirements as specified for these special categories of cables.