

House-Wire IS Standards Quick-Reference

The key Indian Standards (IS) for house wires and cables — and what each one covers.

House wires and cables in India are made and certified to a family of Indian Standards (IS). Here are the ones you will see most often.

Standard	Covers	Relevance
IS 694	PVC-insulated cables/wires for working voltages up to 1100 V	The core standard for house wires
IS 17048	Halogen-free flame-retardant (HFFR / LSZH) insulated wires	Low-smoke, zero-halogen wires
IS 8130	Conductors of insulated electric cables	Conductor class & stranding
IS 5831	PVC insulation and sheath of electric cables	Insulation material spec
IS 10810	Methods of test for cables	How cables are tested
IS 7098	Crosslinked polyethylene (XLPE) insulated cables	Power / multicore cables
IS 9968	Elastomer-insulated cables	Flexible cables

The ISI mark printed on a wire, together with a CM/L licence number, shows the product is BIS-certified to the relevant IS. It is the simplest way to confirm you are buying a genuine, standard-compliant wire.

Standard numbers and their exact scope are summarised here for orientation. Always confirm the applicable standard and edition with the APAR datasheet / BIS for a given product.

© 2026 APAR Cable Solutions (a division of APAR Industries). For guidance only. Visit aparwiresandcables.com for product datasheets and the wire-size calculator.