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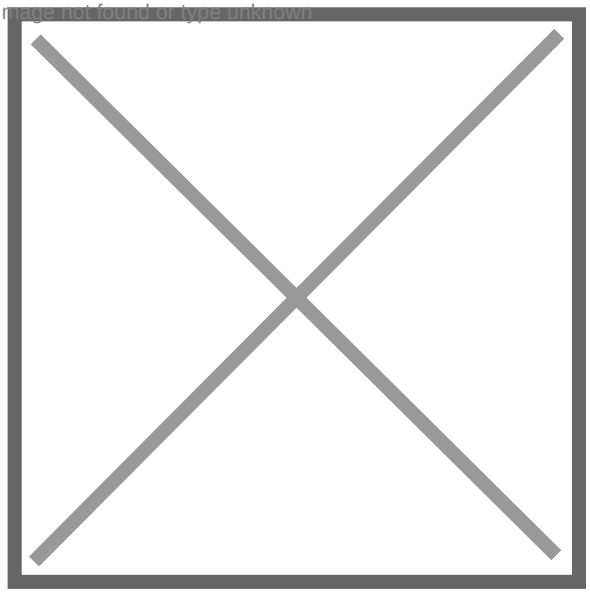
Product Name :

Insulated Electric Wire (Copper)

Product Code :

SCL-642/069

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Description :

Insulated Electric Wire (Copper) (Product Code: SCL-642/069) is copper conductor wire with shock-resistant insulation, supplied by length in metres, for making the electrical connections in chemistry and physics practicals. Teachers and lab assistants use it to join cells, electrodes, bulbs, switches and meters in conductivity, electrolysis and electrochemical cell experiments. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, among its school chemistry lab equipment in India, so it can be ordered together with the apparatus it connects.

Specifications

Parameter	Detail
Conductor material	Copper
Type	Insulated
Insulation	Shock resistant
Supplied as	Length in metres

Typical Use

In the chemistry lab this wire links the two half-cells of a Daniell cell to a voltmeter or galvanometer, connects carbon or metal electrodes to a battery for the electrolysis of water or copper sulphate solution, and completes the lamp circuit used to show which solutions conduct electricity. Schools running electrochemical cell kits and electrolysis apparatus need a steady stock of it, because pieces are cut to length for each set-up and wear out with repeated use. The same wire serves for simple series and parallel circuits in physics.

Cut the length you need, remove a short section of insulation from each end with a wire stripper or cutter, and clean the bare copper so the contact is good. Crocodile clips make quick, secure connections to electrodes and terminals. Always switch off or disconnect the supply before changing connections, and discard any piece whose insulation is nicked or cracked.

Supplier

This wire is supplied by **Jain Scientific Equipments Private Limited**, which trades under the **ScienceLab** name from Ambala, Haryana, India and equips school and college laboratories. More about the company is on the profile page.

Related Laboratory Equipment

Apparatus that this wire is typically used to connect:

- Daniel Cell Kit — electrochemical cell whose electrodes are wired to a meter
- Milli Voltmeter — measures the small voltages produced by cells
- Crocodile Clip For Connections — clips onto the wire ends for quick connections
- Wire Cutter — for cutting lengths and trimming insulation
- Electrode, Carbon, Pair — electrodes connected by the wire in electrolysis experiments

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