Ceekaylite

The Complete Solution

SARASWATI CABLE INDUSTRIES

Authorised Manufacturer · Delhi

PRODUCT DATASHEET

PVC INSULATED WIRES & CABLES

Single Core Copper Wire

Unsheathed Multistrand · Flame Retardant



KEY FEATURES

- Unsheathed — ideal for conduit / duct runs
- Available in multiple colours
- Standard colour codes for easy identification
- ISI marked to IS : 694, latest amendments

The benchmark for safe, reliable household and commercial wiring. Ceekaylite Single Core Multistrand Copper Wire is manufactured with flame-retardant PVC insulation and ISI-marked to IS 694 with the latest amendments. The multistrand construction provides easy handling and superior current-carrying capacity, making it ideal for fixed installation in conduits, ducts and open wiring across switchboards, lighting and power circuits.

Conductor	Insulation	Marking	Coil	Sizes
Multistrand	**PVC / HRFR-PVC / FR-LSH PVC**	**ISI 694**	**90 / 180 m**	**0.75–35 sq.mm**

APPLICATIONS

- Conduit and duct runs
- Switchboards
- Lighting circuits
- Power circuits
- Open wiring, household and commercial

STANDARDS & MARKING

- Licence no. CM/L-8560078
- HSN 8544
- Supplied in 90 / 180 metre coils

Detailed sizes and specifications are given on the next page.

PVC INSULATED WIRES & CABLES

Single Core Copper Wire

Specifications · 0.75 – 35 sq.mm

AVAILABLE SIZES · 0.75 – 35 SQ.MM

Nominal cross-sectional area	Number / diameter of conductor strands	Nominal thickness of insulation	Approx. overall diameter	Rating (A)	Max. conductor resistance at 20 °C (Ω/km)
0.75 sq.mm	24/0.20 mm	0.6 mm	2.3 mm	7 A	26.0 Ω/km
1.00 sq.mm	14/0.30 mm	0.7 mm	2.7 mm	12 A	18.10 Ω/km
1.50 sq.mm	22/0.30 mm	0.7 mm	3.0 mm	16 A	12.10 Ω/km
2.50 sq.mm	36/0.30 mm	0.8 mm	3.6 mm	22 A	7.41 Ω/km
4.00 sq.mm	56/0.30 mm	0.8 mm	4.1 mm	29 A	4.95 Ω/km
6.00 sq.mm	85/0.30 mm	0.8 mm	4.6 mm	37 A	3.30 Ω/km
10.00 sq.mm	140/0.30 mm	1.0 mm	6.1 mm	51 A	1.91 Ω/km
16.00 sq.mm	224/0.30 mm	1.0 mm	7.0 mm	57 A	1.21 Ω/km
25.00 sq.mm	350/0.30 mm	1.2 mm	8.6 mm	71 A	0.780 Ω/km
35.00 sq.mm	420/0.30 mm	1.2 mm	9.7 mm	110 A	0.554 Ω/km

Gauge shown as strands / strand-diameter. Overall diameter is approximate.