We don't compromise with quality...



CS CABLES

ELECTRICAL CABLES

PRODUCT CATALOGUE

COLLECTION 2027

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About CS Cables





30+	67	1100 V	IS 694
Years of experience	Products in range	Industrial cables	Conforming (2010)

Three decades of manufacturing excellence

CS Cables has been manufacturing customised wires and cables for more than three decades, backed by advanced technology and a skilled workforce. Today we are at the forefront of producing high-quality cables for residential, commercial and industrial use.

We manufacture a wide range of quality cables at our modern, well-equipped plant, giving our customers “The Complete Protection”. At CS Cables we are passionate about safety, quality and promises.

Our dedicated team of skilled operators and engineers work hand in hand to test and manufacture cables that offer unmatched performance and aesthetic appeal. Every production batch undergoes rigorous testing and inspection before it reaches you, guaranteeing a product that is as reliable as it is safe. Whether you are updating your home or outfitting a commercial space, CS Cables provides the perfect blend of function, elegance, quality and safety.

What began as a vision of a multistrand wire has since grown to include submersible cables, copper round cables and other wiring. All the cable products we make are presented in this catalogue.

Why CS Cables



Unmatched Craftsmanship

Every CS Cables wire is produced with precision engineering and stringent quality control, delivering cables that combine reliability, performance and robust durability.



Fire Retardant – Low Smoke

Fire-resistant, low-smoke cables are specialised electrical cables designed to enhance safety in high-risk areas by resisting fire propagation and minimising toxic smoke emission. Key properties include an oxygen index of more than 29%, low acid gas evolution (<17.5%) and high visibility during fires.



Premium Material Selection

We use only the highest-grade copper and insulation materials, guaranteeing superior conductivity, minimal energy loss and extended cable life.



Energy Efficient & Eco-Friendly

CS Cables wires are designed for low power loss and are manufactured using environment-friendly processes, supporting both efficiency and sustainability.



Wide Range for Every Need

From residential to industrial requirements, CS Cables offers a full portfolio of wires and cables, ensuring the right solution for every application.

QUALITY FEATURES

Built to a Higher Standard

High Insulation Resistance

In all cables there is generally some leakage of current from the live conductor through the insulation. With inferior insulation, the leakage increases, which is unsafe and can damage installations as well as become a threat to life.

RoHS Compliant

The release of harmful substances such as lead, mercury, cadmium and chromium from plastics and equipment is dangerous to the environment and to health.

Best Copper Used

CS Cables wires use ETP grade annealed copper, which is more than 99.97% pure and therefore ensures 101% conductivity (IACS).

Anti-Termite & Anti-Rodent

Termites and rodents cause extensive damage to paper, wood, plastic and more. In electrical installations, such damage can lead to short circuits, major disasters and loss of property and life. CS Cables with S3 technology provide insulation with termite and rodent repulsion properties. The anti-termite / anti-rodent feature is applicable for 6 months from the date of invoice.

Our Product Range at a Glance

Load Capacity Guide	Pro-Gati ampacity chart, tested performance and why FR-LSH matters	Guide	p. 5–6
Pro-Gati	Premium FRLSH single core wire – low smoke, fire retardant	Sl. 1–7	p. 8
Trishul	Triple-layer PVC multistrand single core wire	Sl. 8–14	p. 8
Shakti	Standard PVC multistrand single core wire	Sl. 15–21	p. 9
CS Cables Pro	Submersible flat & multicore round flexible industrial cables	Sl. 22–34	p. 10
CS Cables Shakti	Submersible flat & multicore round flexible industrial cables	Sl. 35–46	p. 11
Aluminium Cables	Unarmoured industrial cables – Premium & Shakti	Sl. 47–56	p. 12
Copper Cables	Twin flat, twin twisted flexible and VIR cables	Sl. 57–67	p. 13

COLOUR KEY — Pro-Gati · CS Cables Pro · Premium aluminium | Trishul | Shakti | Copper cables

Wire Load Capacity Guide

PRO-GATI

0.75 mm² to 10 mm²

Current rating, applications & why Pro-Gati outperforms standard wires

High Performance Wire · Superior Safety · Low Smoke · Fire Retardant

Understanding Wire Load Capacity

The current a wire can safely carry (ampacity) depends on conductor cross-section, insulation type, ambient temperature and installation method. Pro-Gati wires use Class-S flexible bare copper conductors with PVC Type-D (FR-LSH) insulation, manufactured to IS 694:2010 (Amendment No. 4) and verified through NABL-accredited testing.

Load Capacity Chart: 0.75 mm² to 10 mm²

Size	Max current (single circuit, conduit)	Approx. power @ 230 V	Typical applications
0.75 mm²	~6 A	~1,300 W	Doorbells, LED/CFL lighting circuits, control panel wiring, low-power switches
1.0 mm²	~10 A	~2,300 W	Room lighting circuits, fan points, small appliance wiring
1.5 mm²	~16 A	~3,600 W	General lighting + socket circuits, standard household wiring
2.5 mm²	~20–24 A	~4,600–5,500 W	Power sockets, refrigerators, washing machines, kitchen circuits
4.0 mm²	~28–32 A	~6,400–7,300 W	Water heaters/geysers, air conditioners, sub-distribution wiring
6.0 mm²	~36–40 A	~8,300–9,200 W	Electric showers, heavy motor loads, short feeder runs
10.0 mm²	~50–57 A	~11,500–13,000 W	Sub-mains, distribution boards, EV chargers, industrial feeders

Figures are standard IEC/IS-based ampacity for single-core copper conductors in conduit at typical ambient conditions. Always size wire per applicable local electrical code, and derate for bundled runs or high ambient temperature.

Why FR-LSH Matters

FLAME RETARDANT

Standard PVC (Type A / general purpose) wires burn readily and release dense smoke plus toxic and corrosive gases. Pro-Gati's FR-LSH (Flame Retardant, Low Smoke, Halogen-free) compound is specifically engineered to slow flame spread and reduce smoke and toxic gas emission – critical in enclosed spaces (offices, malls, hospitals, residential buildings) where smoke inhalation, not fire, is often the bigger life-safety risk.

What Makes Pro-Gati Different

Most wires on the market are made to just meet the minimum IS 694 requirement. Pro-Gati's NABL-certified test data (from our 2.5 mm² sample, representative of the same manufacturing process and quality control across the range) shows real margins above the legal minimum – not just compliance, but genuine headroom.

12×
faster self-extinguishing
5 s vs max 60 s

56×
better insulation
volume resistivity

63%
more flexible
elongation at break

50%
stronger insulation
tensile strength

Parameter	IS 694 minimum	Pro-Gati tested	What this means
Conductor resistance (ohm/km)	Max 7.98	7.64	Lower resistance = less heat, less energy loss
Tensile strength (N/mm²)	Min 10	15.0	50% stronger insulation, resists cracking/nicking
Elongation at break (%)	Min 150	245	63% more flexible before failure – won't crack when bent or pulled
Insulation shrinkage (%)	Max 6	1.25	Insulation stays put at joints/terminations, no exposed copper
Hot deformation (%)	Max 65	19.6	Insulation holds shape under heat/load, doesn't deform
Volume resistivity @27°C (Ohm.cm)	Min 1×10^{12}	5.6×10^{13}	56x better insulation – far superior leakage protection
High voltage withstand	3kV/5min, no breakdown	Passed	Confirmed safe under stress test
Flame self-extinguish time (sec)	Max 60	5	12x faster self-extinguishing – safer in a fire

In practical terms

A wire that just meets the minimum tensile strength cracks sooner at bends and joints; low insulation resistance lets current leak over time, raising shock/fire risk; slow-burning insulation feeds a fire instead of stopping it. Pro-Gati's margins mean the wire stays safe and functional well beyond the legal bare minimum – for longer service life, lower failure rates and safer installations, especially in enclosed conduits, panels and high-heat environments (kitchens, motor rooms, sub-stations).

Test data verified by Ghaziabad Testing Laboratories Pvt. Ltd. (NABL Accredited, ISO/IEC 17025:2017) – Report No. 100-260824-722.

SECTION ONE

Single Core Wires

Premium PVC insulated multistrand copper wires
for homes, offices and industry – three series, one standard.



Pro-Gati

Premium FRLSH PVC series

Superior safety · low smoke · fire retardant

Sl. 1–7 · Page 8

Trishul

Triple layer wire series

Triple PVC insulated multistrand wire

Sl. 8–14 · Page 8

Shakti

Standard series

PVC insulated multistrand wire

Sl. 15–21 · Page 9



Single Core Wires

PRO-GATI – Premium FRLSH PVC Series

High performance wire · superior safety, low smoke, fire retardant · by Pro-Gati Advanced Conductors

FLAME RETARDANT

Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	M.R.P. (₹)	Master Carton
1	0.75 mm²	10/0.30	8	1,967.00	24
2	1.0 mm²	14/0.30	12	2,690.00	24
3	1.5 mm²	22/0.30	16	3,779.00	24
4	2.5 mm²	36/0.30	22	6,085.00	16
5	4.0 mm²	56/0.30	29	9,330.00	12
6	6.0 mm²	84/0.30	37	13,466.00	–
7	10 mm²	140/0.30	51	23,536.00	–

Tested on 2.5 mm² sample · see page 6

12× faster self-extinguishing than the IS 694 limit

56× better insulation resistivity than the IS 694 limit

63% more flexible than the IS 694 limit

TRISHUL – Triple Layer Wire Series

CS Trishul triple PVC insulated multistrand single core wire



Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	M.R.P. (₹)	Master Carton
8	0.75 mm²	10/0.30	8	1,835.00	24
9	1.0 mm²	14/0.30	12	2,515.00	24
10	1.5 mm²	22/0.30	16	3,544.00	24
11	2.5 mm²	36/0.30	22	5,696.00	16
12	4.0 mm²	56/0.30	29	8,692.00	12
13	6.0 mm²	84/0.30	37	12,573.00	–
14	10 mm²	140/0.30	51	21,952.00	–

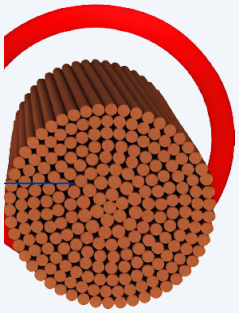
Single Core Wires

CS SHAKTI – Standard Series

PVC insulated multistrand single core wire · multistrand flexible copper conductor, natural PVC with skin-colour PVC



Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	M.R.P. (₹)	Master Carton
15	0.75 mm²	10/0.30	8	1,711.00	24
16	1.0 mm²	14/0.30	12	2,338.00	24
17	1.5 mm²	22/0.30	16	3,284.00	24
18	2.5 mm²	36/0.30	22	5,291.00	16
19	4.0 mm²	56/0.30	29	8,113.00	12
20	6.0 mm²	84/0.30	37	11,710.00	–
21	10 mm²	140/0.30	51	20,466.00	–



CONSTRUCTION

Multistrand flexible copper conductor

Natural PVC insulation with skin-colour PVC

NOT SURE WHICH SIZE?

Check the Load Capacity Guide on pages 5–6

Current rating, typical applications and tested performance by size.





Premium quality cables...

as we care for you.

Submersible & Multicore Cables

CS CABLES PRO – 3 Core Flat (Submersible) Cable

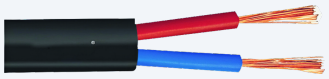
PVC insulated · 1100 volts · conforming to IS 694:2010 · 100 metres



Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	M.R.P. (₹)
22	1.0 mm²	14/0.30	11	8,657.00
23	1.5 mm²	22/0.30	14	13,189.00
24	2.5 mm²	36/0.30	19	21,716.00
25	4.0 mm²	56/0.30	26	35,052.00
26	6.0 mm²	84/0.30	31	45,428.00
27	10.0 mm²	140/0.30	42	80,834.00

CS CABLES PRO – Multicore Round Flexible Cable

Sheathed industrial cable · PVC insulated · 1100 volts · conforming to IS 694:2010 · 90 metres



Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	2 Core M.R.P. (₹)	3 Core M.R.P. (₹)	4 Core M.R.P. (₹)
28	0.75 mm²	10/0.30	8	4,811.00	9,059.00	–
29	1.0 mm²	14/0.30	12	6,358.00	10,093.00	13,671.00
30	1.5 mm²	22/0.30	16	9,114.00	13,921.00	16,212.00
31	2.5 mm²	36/0.30	22	14,100.00	20,500.00	26,287.00
32	4.0 mm²	56/0.30	29	–	30,844.00	41,355.00
33	6.0 mm²	84/0.30	37	–	41,950.00	55,262.00
34	10 mm²	140/0.30	51	–	69,425.00	92,798.00

Submersible & Multicore Cables

CS CABLES SHAKTI – 3 Core Flat (Submersible) Cable

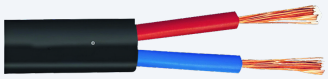
PVC insulated · 1100 volts · conforming to IS 694:2010 · 100 metres



Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	M.R.P. (₹)
35	1.0 mm²	14/0.30	11	7,847.00
36	1.5 mm²	22/0.30	14	11,689.00
37	2.5 mm²	36/0.30	19	18,788.00
38	4.0 mm²	56/0.30	26	30,373.00
39	6.0 mm²	84/0.30	31	39,059.00

CS CABLES SHAKTI – Multicore Round Flexible Cable

Sheathed industrial cable · PVC insulated · 1100 volts · conforming to IS 694:2010 · 90 metres

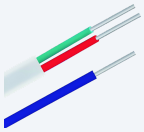


Sl. No.	Nominal Area of Conductor	Number / Dia. of Wire (mm)	Current Rating (A)	2 Core M.R.P. (₹)	3 Core M.R.P. (₹)	4 Core M.R.P. (₹)
40	0.75 mm²	10/0.30	8	3,572.00	5,181.00	–
41	1.0 mm²	14/0.30	12	5,185.00	7,348.00	9,889.00
42	1.5 mm²	22/0.30	16	7,403.00	11,121.00	13,609.00
43	2.5 mm²	36/0.30	22	11,416.00	16,523.00	21,727.00
44	4.0 mm²	56/0.30	29	–	25,908.00	34,544.00
45	6.0 mm²	84/0.30	37	–	34,881.00	45,832.00
46	10 mm²	140/0.30	51	–	60,548.00	78,233.00

Aluminium Cables

CS CABLES PREMIUM – Aluminium Unarmoured Industrial Cable

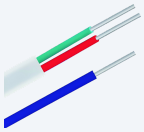
1100 volts · conforming to IS 694:2010 · 90 metres



Sl. No.	Nominal Area of Conductor	Single Core Unsheathed M.R.P. (₹)	Twin Sheathed M.R.P. (₹)
47	4.0 mm²	1,054.00	3,950.00
48	6.0 mm²	1,541.00	5,140.00
49	10.0 mm²	2,552.00	7,909.00
50	12.0 mm²	3,069.00	9,207.00
51	16.0 mm²	3,511.00	13,147.00

CS CABLES SHAKTI – Aluminium Unarmoured Industrial Cable

1100 volts · conforming to IS 694:2010 · 90 metres



Sl. No.	Nominal Area of Conductor	Single Core Unsheathed M.R.P. (₹)	Twin Sheathed M.R.P. (₹)
52	4.0 mm²	930.00	3,509.00
53	6.0 mm²	1,223.00	4,249.00
54	10.0 mm²	2,058.00	6,459.00
55	12.0 mm²	2,415.00	7,788.00
56	16.0 mm²	3,511.00	10,967.00

Copper Cables

CS CABLES – Twin Flat (Sheathed) Copper Industrial Cable

PVC insulated 2 core flat · 1100 volts · conforming to IS 694:2010 · 90 metres



Sl. No.	Size	Description	M.R.P. (₹)
57	14/76	Twin Flat	1,749.00
58	23/76	Twin Flat	2,360.00

CS CABLES – Twin Twisted (Unsheathed) Flexible Cable

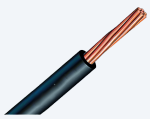
Flexible copper · 90 yards



Sl. No.	Size	Description	M.R.P. (₹)
59	14/76	Flexible	714.00
60	23/76	Flexible	1,120.00
61	30/76	Flexible	1,404.00
62	40/76	Flexible	1,736.00
63	70/76	Flexible	3,182.00

CS CABLES – VIR Cables

Vulcanised India rubber insulated copper cable



Sl. No.	Size	M.R.P. (₹)
64	7/016	24,031.00
65	7/018	14,031.00
66	7/020	9,051.00
67	3/020	4,223.00

Specifications and prices are subject to change without notice. Images are for representation only.

CS CABLES

ELECTRICAL CABLES

THANK YOU FOR CHOOSING US

YOUR SAFETY, OUR PRIORITY

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