



SAAN
— WIRES & CABLES —

POWERING A SAFE TOMORROW

SAFE CONNECTIONS.
STRONGER FUTURES.



ENHANCED
SAFETY



FLAME
RETARDANT



HIGH
CONDUCTIVITY



99.97%
PURE COPPER



SCAN TO VISIT
OUR WEBSITE

TRUSTED
QUALITY

LASTS LONG

Building India's Homes with **Safer Wiring**

SAAN Wires & Cables is a Delhi-based manufacturer of PVC insulated house and industrial wires, built on a simple promise: dependable safety for every home and workspace. Every coil we produce is engineered with 100% electrolytic copper, multi-stage Intelitech bunching, and zero-halogen flame-retardant (ZHFR) insulation, so our wires perform reliably under real-world conditions and meet IS 694:2010 standards.

From concealed residential wiring to demanding industrial installations, our focus stays on consistent quality, responsive customer support, and cables that give you one less thing to worry about at home.

OUR PRODUCT RANGE PVC Insulated Multi-Strand House Wires | Industrial Wiring Cables | 1100 Volts, IS 694 Grade



FIRE PROOF WIRE

SAFETY THAT PROTECTS.
PEACE THAT LASTS.

FIRE PROOF WIRE
— SAFETY THAT LASTS —

FIRE RESISTANT **ENHANCED SAFETY** **RELIABLE CONDUCTIVITY** **SAFE FOR FAMILY & SPACES**

SAFE TODAY. SECURE TOMORROW.

CERTIFICATIONS



ISI / IS 694



RoHS Compliant



CE Marked



Anti-Rodent



Anti-Termite



Eco-Friendly

Why Choose SAAN

Every **SAAN** wire is built around one idea: peace of mind. These are the smart features that set our cables apart.

1 Zero-Halogen Flame Retardant (ZHFR)



Zero-Halogen Flame Retardant (ZHFR) insulation slows the spread of fire for safer installations.

2 Anti Rodent



Specially formulated PVC compound resists gnawing, protecting wiring inside walls and ducts.

3 Anti Termite



Insulation is treated to resist termite damage in humid and underground conditions.

4 100% Electrolytic Copper



99.97% pure copper conductor ensures maximum conductivity and minimal power loss.

5 Higher Flexibility



Fine, multi-strand construction makes routing and dressing wires easier on site.

6 Energy Saving



Low-resistance conductors reduce heat loss and improve overall energy efficiency.

7 Multi-Stage Bunching



Intelitech bunching technology improves consistency and current-carrying capacity.

8 RoHS Compliant



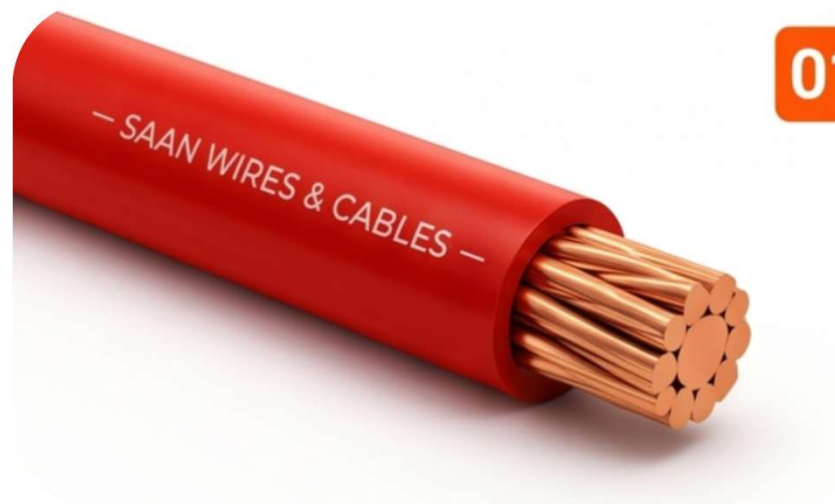
Free from hazardous substances, in line with international environmental standards.

अब सुरक्षा **SAAN** से

IS 694:2010 Certified | Vocal for Local | Made in India

Multistrand Wires

Designed for Indian homes and demanding site conditions, **SAAN** Multistrand Wires combine 99.97% pure electrolytic copper with zero-halogen flame-retardant (ZHFR) PVC insulation for maximum safety and reliable performance in concealed and surface wiring.



01 Multistrand Wires

0.75 - 6.0 Sq mm,
1100V



KEY FEATURES

- 99.97% pure electrolytic copper conductor
- High current carrying capacity
- Multi-stage Intelitech bunching
- BIS marked, meets IS 694:2010
- Zero-Halogen Flame Retardant (ZHFR) insulation
- Anti-rodent & anti-termite protection
- Suitable for concealed & surface wiring
- RoHS compliant, energy-saving design

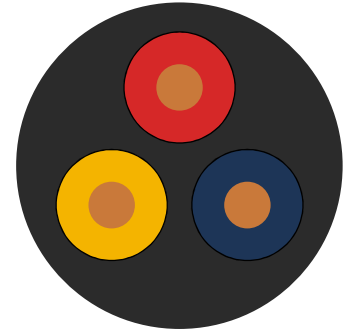
TECHNICAL SPECIFICATION

Single core unsheathed cables in voltage grade 1.1 kV as per IS 694:2010

Size (Sq. mm)	Configuration	Current Rating (Amp)	Overall Dia. (mm)
0.75	10/0.254	9	2.25
1.0	14/0.254	15	2.60
1.5	22/0.254	18	3.00
2.5	36/0.254	26	3.65
4.0	56/0.254	33	4.10
6.0	84/0.254	43	4.65

Multi-Core Round Cable

Engineered for control panels, machinery interconnections, and automated systems, our Multi-Core Round Cables use high-conductivity copper conductors under flame-retardant PVC insulation and a tough, abrasion-resistant sheath for reliable performance in demanding industrial environments.



2 / 3 / 4 Core

02 Multi-Core Round Cable

2 / 3 / 4 Cores,
0.5 - 4.0 Sq mm

 For Buildings & Infrastructure



KEY FEATURES

- Multiple cores for control & signal applications
- High mechanical strength and flexibility
- Oil, chemical & abrasion-resistant sheath
- Suitable for control panels & switchgear wiring

TECHNICAL SPECIFICATION

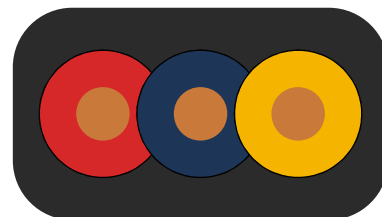
Nominal thickness of sheath & overall diameter shown for 2 / 3 / 4 core builds

Size (Sq.mm)	Strands	Insul. (mm)	Sheath 2/3/4C (mm)	Overall Dia 2/3/4C (mm)	Current (A)
0.5	16/0.20	0.6	0.9/0.9/0.9	6.2/6.6/7.2	6
0.75	24/0.20	0.6	0.9/0.9/0.9	6.5/6.9/7.6	9
1.0	32/0.20	0.6	0.9/0.9/0.9	6.9/7.3/8.2	14
1.5	30/0.25	0.6	0.9/0.9/1.0	7.6/8.2/9.3	18
2.5	50/0.25	0.7	1.0/1.0/1.0	9.0/9.6/10.5	24
4.0	56/0.30	0.8	1.0/1.0/1.0	10.3/10.9/12.3	32

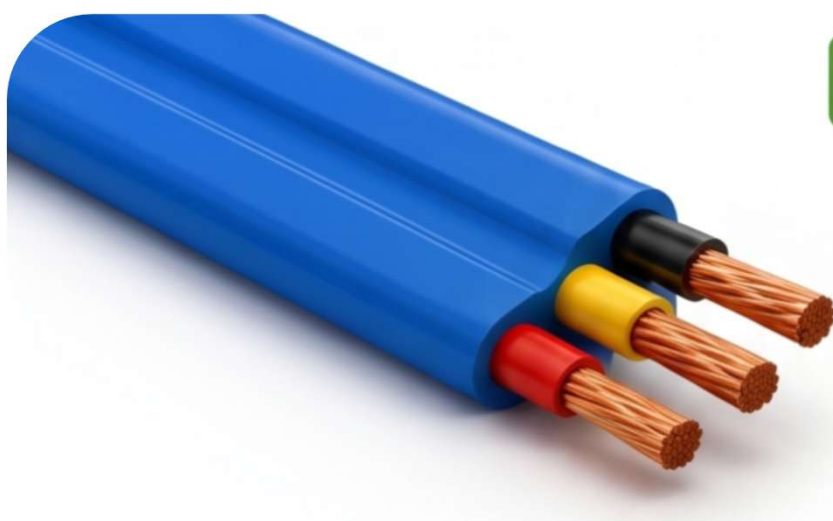
Supplied in 100 metre lengths, black outer sheath. Other colours available on request.

Submersible Cable

Purpose-built for submersible pumps, **SAAN** Flat Submersible Cables use stranded, bare annealed electrolytic-grade copper with moisture and mechanical-stress resistant PVC insulation and sheathing — built to perform reliably underwater and underground.



3 Core Flat



03 Submersible Cable

3 Core Flat, 1.0 - 10.0 Sq mm



For Pumps & Submersible Applications

KEY FEATURES

- 100% pure electrolytic copper conductor
- High-grade PVC insulation, superior ageing properties
- Flexible, water & abrasion-resistant sheath
- Resists oil, grease & environmental impact

TECHNICAL SPECIFICATION

Size (Sq.mm)	Strands	Max Resist. (Ω/km)	Insul. (mm)	Sheath (mm)	Overall W×H (mm)	Current (A)
1.0	32/0.2	19.5	0.6	0.9	9.4 × 4.4	12
1.5	30/0.25	13.3	0.6	0.9	10.3 × 4.7	16
2.5	48/0.25	7.98	0.7	1.0	12.3 × 5.5	22
4.0	56/0.3	4.95	0.8	1.0	14.1 × 6.2	29
6.0	84/0.3	3.30	0.8	1.1	16.2 × 7.0	37
10.0	80/0.4	1.91	1.0	1.4	20.9 × 8.9	51

SPEAKER CABLE

Also known as Parallel Wires — engineered with high-conductivity stranded copper for clear, distortion-free audio in home, PA and car-audio systems.



04 Speaker Cable

22 - 14 AWG



For High Quality Audio Systems



Equiv. AWG	Size (Sq.mm)	Max Resist. (Ω /km @20°C)	Overall W×H (mm)
22	0.50	39.00	4.2 × 2.1
19	0.75	26.00	4.7 × 2.4
18	1.00	19.50	5.7 × 2.9
16	1.50	13.30	6.0 × 3.0
14	2.50	7.98	7.0 × 3.6

Aluminium Cable

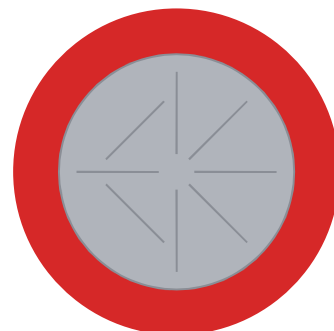
Designed for superior conductivity, flexibility, and long-lasting performance, **SAAN** Aluminium Cables use high-grade EC-grade aluminium — a cost-effective alternative to copper for large-scale power distribution and overhead or underground transmission.

05 Aluminium Cable

Single & 2 Core,
up to 16 Sq mm



**For Industrial
& Overhead
Applications**



Solid Al Conductor

KEY FEATURES

- High-grade EC-grade aluminium conductor
- Excellent flexibility & long service life
- Cost-effective alternative to copper
- Ideal for overhead & underground use

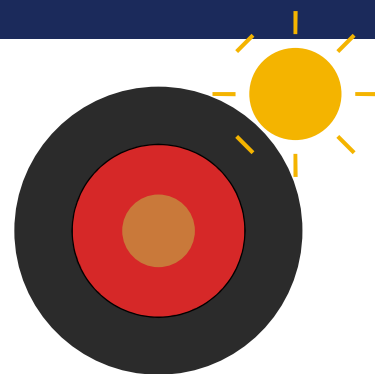
PVC INSULATED 2 CORE SOLID ALUMINIUM CONDUCTOR, UPTO 1100 VOLTS

Nominal Area (Sq.mm)	Gauge No.	Standard Packing
4.00	72	12 Coils/Crtn.
6.00	92	10 Coils/Crtn.
10.00	122	08 Coils/Crtn.
16.00	152	06 Coils/Crtn.

PVC INSULATED SINGLE CORE SOLID ALUMINIUM CONDUCTOR, UPTO 1100 VOLTS

Nominal Area (Sq.mm)	Gauge No.	Standard Packing
2.50	52	30 Coils/Crtn.
4.00	72	30 Coils/Crtn.
6.00	92	20 Coils/Crtn.
10.00	122	20 Coils/Crtn.

Solar Cable



SAAN Solar Cables interconnect solar panels and photovoltaic system components. UV-resistant and weather-resistant, they're built to perform outdoors across a wide temperature range, with halogen-free, flame-retardant insulation and sheathing.

06 Solar Cable

1.5 - 25.0 Sq mm,
DC up to 2kV



CABLE CONSTRUCTION

- Conductor: fine wire tinned copper (BS EN 50618)
- Insulation: UV-resistant, cross-linkable, halogen-free
- Sheath: UV & flame-retardant, halogen-free
- Cable colour: Black, Red, Green

ELECTRICAL PARAMETERS

- Voltage rating: AC 0.6/10 kV
- Test voltage: AC 6.5 kV / DC 15 kV (15 min)
- Max. PV system voltage: DC up to 2.0 kV
- Spark test: 6000 Vac (8400 Vdc)

TECHNICAL SPECIFICATION

Current carrying capacity according to method of installation (per EN 50618)

Size (Sq.mm)	Insul. (mm)	Sheath (mm)	Dia (mm)	Free Air (A)	On Surface (A)	2 Cables Touching (A)	Max Resist. (Ω/km)
1.5	0.70	0.80	4.66	30	29	24	13.7
2.5	0.70	0.80	5.09	41	39	33	8.21
4.0	0.70	0.80	5.59	55	52	44	5.09
6.0	0.70	0.80	6.13	70	67	57	3.39
10.0	0.70	0.80	7.07	98	93	79	1.95
16.0	0.70	0.90	8.32	132	125	107	1.24
25.0	0.90	1.00	10.14	176	167	142	0.795

Across every product line — house wire to solar cable — **SAAN** holds the same standard: pure conductors, safety-rated insulation, and construction that's tested against real Indian site conditions.

Multistrand Wires

0.75 – 6.0 Sq mm, 1100V

Multi-Core Round Cable

2 / 3 / 4 Core, 0.5 – 4.0 Sq mm

Submersible Cable

3 Core Flat, 1.0 – 10.0 Sq mm

Speaker Cable

22 – 14 AWG

Aluminium Cable

Single & 2 Core, up to 16 Sq mm

Solar Cable

1.5 – 25.0 Sq mm, DC up to 2kV

QUALITY YOU CAN STAND ON

IS 694:2010 Compliant | RoHS Compliant | Anti-Rodent & Anti-Termite | Zero-Halogen Flame Retardant |
 Made in India



01 Multistrand Wires 0.75 – 6.0 Sq mm, 1100V   For Home Wiring	02 Multi-Core Round Cable 2 / 3 / 4 Cores, 0.5 – 4.0 Sq mm   For Buildings & Infrastructure	03 Submersible Cable 3 Core Flat, 1.0 – 10.0 Sq mm   For Pumps & Submersible Applications	04 Speaker Cable 22 – 14 AWG   For High Quality Audio Systems	05 Aluminium Cable Single & 2 Core, up to 16 Sq mm   For Industrial & Overhead Applications	06 Solar Cable 1.5 – 25.0 Sq mm, DC up to 2kV   For Solar Power Systems
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Note: Product images are indicative. Specifications may be revised without prior notice. Contact us for custom lengths, colours, and packing.



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PVC Insulated House & Industrial Wires

SAAN WIRES & CABLES

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