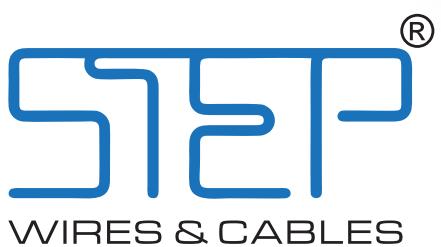




STEP CABLES

SURAKSHA HAR KADAM



www.thestepindia.com
www.stepcable.com



WHO ARE WE?

We Are The STEP Group, formulated by likeminded individuals who came forward to join hands with the ideology of being MILES AHEAD of competition, Step Group has been lighting the world of countless satisfied customers. The proportion of experience of the core management team and the experience of the promoters, from diversified fields as CA, CS and engineering has positioned STEP as the leading pioneering brand in the electrical circuit. On the back of acumen gathered over the last three decades, Step group is always exploring and innovating new cost saving and energy efficient electrical solutions. Everyone at the group stands firm for Our Vision.

WHAT DO WE DO?

► MANUFACTURING

Step Group specializes in manufacturing wire and cable. It is re-known for its unique product range across India and overseas which includes Electrical building wiring (house wiring), Single-core/multi-core industrial cables, Submersible Cables, Elevator and Escalator cables, PVC Insulated power and control cables, and XLPE insulated power and control cable. Step Industries reaffirms its focus on continual improvement in customer centricity by providing the best rated products and services that surpass the expectations of our customers in terms of value, quality, promptness and reliability. We continually monitor and improve the effectiveness and efficiency of our processes and practices whilst meeting the statutory, regulatory and product specification requirements.



► GOVERNMENT EPC PROJECTS

EPC stands for Engineering, Procurement, and Construction and is a prominent form of contracting agreement in the construction industry. The Company has in-house design centres with a strong team of over 50 design experts in India who continuously develop innovative, construction friendly and cost-effective designs. It is equipped with latest software like PLS Tower, PLS Pole, PLS CADD, AUTOCAD, MICROSTATION, BOCAD and Google Earth. It provides computerized engineering solutions, 3D analysis and design depending on the size and complexity of the project, voltage range, weather condition etc. The Company has an unparalleled strength in the design of very complex and large towers with a state of the art in-house Design centre. It has designed Multi circuit, River crossing towers weighing approximately 300 M.T. with a height of more than 150 meters per tower.

► RETAIL BUSINESS

Step Cables, having a background of over two decades, has acquired the reputation of being the fastest growing company in the cable industry. The company is leading in the industry with constant innovation and upholding high standards of safety, quality and services. The company constantly boosts client satisfaction by providing competitive prices, constant quality controls and reputable and timely delivery. Step Cables derives its strength from the fact that despite modest beginnings with Wires, Cables, it boasts yearly earnings of millions of dollars. The latter's increase is a pre-requisite to the upswing of the company and client satisfaction which has and is the prime objective at Step Cables. Also, client satisfaction and solid adherence to the excellent management system add to the effectiveness of service and product delivery, which has made Step Cable a distinguished business establishment. Step cables meets the requisite quality certifications together with adherence to the standard management system further strengthening the consumers trust and bench marking the company as a reputed wire and cable manufacturer in India.



TRUST FACTORS

► OUR QUALITY

STEP earned name & trust in house wires which inspire confidence in consultants, architects and builders. Step has built up a reputation and solid integrity. Step house wires carry a ensurity that far exceeds the ISI Certification they possess. Tested at every stage and supervised by experienced engineers, due to customer segments our name in both Indian and world markets.

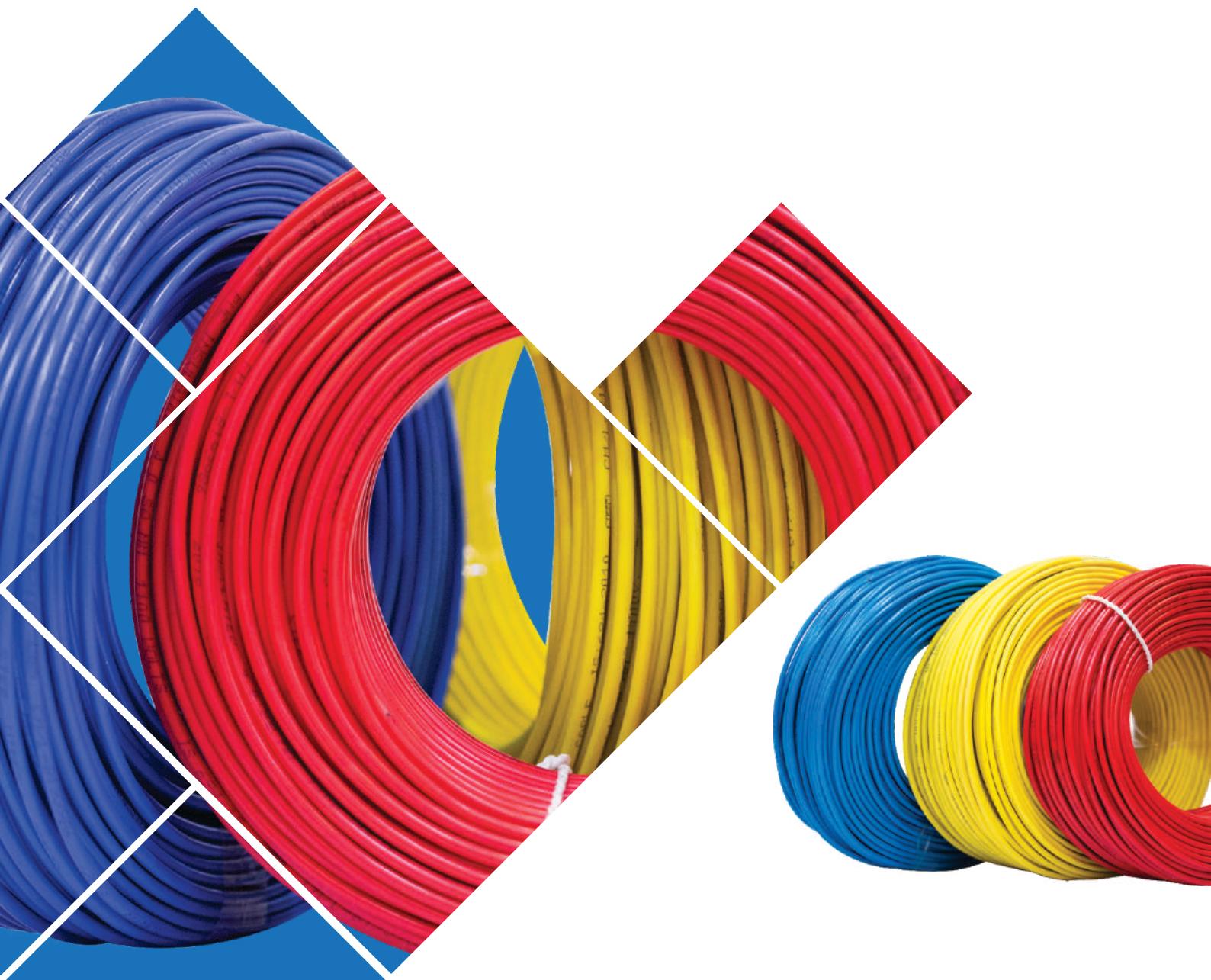


PROPERTIES OF STEP WIRES

Feature	Normal PVC Wire	Heat Resistance HR-PVC	Fire Retardant FR-PVC	Fire Retardant Low Smoke FRLS	Zero Halogen Low Smoke
Insulation Material	PVC	PVC	Spl. PVC	Spl. PVC	Spl. Polymer
Insulation Property	Normal	Good	Good	Good	Very Good
Temperature Rating	70°C	85°C	70°C	70°C	85°C
Thermal Stability	Normal	Very Good	Good	Good	Very Good
Flame Retardancy	Good	Good	Very Good	Very Good	Good
Safety during Burning	Average	Average	Good	Good	Excellent
Requirement of Oxygen to catch fire (% in air)	>21	>21	>30	>30	Excellent
Temperature required to Catch Fire (with 21% oxygen)	Room Temp.	Room Temp.	>250°C	>250°C	>35
Visibility during Cable Burning (%)	<20	<20	<35	>40	> 300°C
Release of Halogen Gas during burning (% by weight)	<20	<20	<20	<20	>80
Zero Abrasion Resistance during Installation	Good	Good	Good	Good	Good



FR HOUSE WIRES



Step wires and cables – A combination of safety and efficiency. Increasing human habitation has brought a lot of people and families living closer to each other within a single housing or commercial complex and therefore the need for cables to be safe and efficient is paramount. The Step cables are made from specially formulated PVC polymers that restrict the toxic gases and smoke and are therefore safe, reliable, fire-resistant, lead resistant lead-free and a non-toxic alternative. These non-toxic cables have been built keeping in mind the safety of the users and giving it the utmost priority. Step is one of the leading cable manufacturers in India & abroad and with increasing automation, we understand the dependability. Step cables work best in a hardworking country like India where the wires power the nation 24 x 7. Available in the 90 meters. & 180 meters.

PROPERTIES OF FR HOUSE WIRES

Nominal Area in Sq. mm	No. Of Strands/ Nom. Dia in Sq. mm.	Max. Dc Resistance Ohm / Km A T 20°C	Nominal Insulation Thickness in Mm	Outer DIA (approx.)	Current Rating in AMPS.	Nominal Area in Sq. Mm	No. Of Strands/ Nom. Dia	Max. Dc Resistance Ohm / Km At 20°C	Nominal Insulation Thickness in mm	Outer DIA (approx.)	Current Rating In Amps.
0.50	10/0.25*	39.00	0.60	2.20	4	70	360/0.5	0.272	1.6	15.5	170
0.75	15/0.25*	26.00	0.60	2.50	7	95	485/0.5	0.206	1.8	18.5	210
1.00	20/0.25*	19.50	0.60	2.60	11	120	608/0.5	0.161	2.0	20.9	235
1.50	30/0.25*	13.30	0.60	2.90	13	150	750/0.5	0.129	2.0	225	295
2.50	50/0.25*	7.95	0.70	3.50	18	185	925/0.5	0.106	2.2	24.6	330
4.00	80/0.25*	4.95	0.80	4.30	24	240	1221/0.5	0.0801	2.2	27.6	400
6.00	84/0.30**	3.300	0.80	5.30	33	300	1527/0.5	0.0641	2.4	32.2	475
10.00	140/0.30**	1.910	1.00	6.70	45	400	2036/0.5	0.0486	2.6	35.7	550
16.00	224/0.30**	1.210	1.00	8.20	60	500	2540/0.5	0.0384	2.4	38.0	625
25.00	354/0.30**	0.780	1.20	10.00	75	630	3200/0.5	0.0287	3.0	45.5	725
35.00	495/0.30**	0.554	1.20	11.3	95	800	4100/0.5	0.0224	3.4	51.0	850

* Conductor Shall be Class - V as per IS 8130 | ** Conductor Shall be Class - II as per IS 8130

The Number and Diameter of Conductor Strands are for reference only. Conductor resistance as per IS 8130 is the governing criteria.



Z+ SAFETY HOUSE WIRES





High energy savings combined with safety and eco-friendliness Built for the protection of human safety, Z+ cables provide you with the security and are safe, reliable, and flame retardant, chlorine free and non-toxic in composition. Also, they ensure that in the unlikely event of a fire, the cables will retard its spread. Z+ is practically halogen free & ensures that people trapped in fire can breathe easy facilitating better chances of their rescue. Step has consistently led the way by innovation and technological advancements. Keeping the environment in mind, we believe in producing eco-friendly wires that solve the required purposes without any harm. For a device to function properly, it is mandatory that the connections are strong and the wires do their job perfectly. We produce efficient wires that never let you down. All your electrical products are safe and will work just fine with the Step Wires.

APPLICATION

These cables are used for wiring domestic and commercial buildings. A fine drawn multi strand conductor provides enhanced flexibility & makes it ideal for concealed wiring. It is suitable for installation in lighting fitting and appliances up to 1100 V (AC.)



**CHLORINE FREE
SMOKE**

Most of the standard wires and cables, in a case of fire, release hydrogen chloride, a poisonous gas that forms hydrochloric acid when it comes in contact with water. Step Z plus cables, on the other hand, do not produce a dangerous gas/acid combination when exposed to flame. Z+ is becoming very popular and, in some cases, a requirement where the protection of people and equipment from toxic and corrosive gas is critical. Cabling with Z+ is the safest choice for all applications in which smoke is likely to both build up and come into contact with people since no harmful toxins are actually released. Z+ cable also has the added benefit of complying with the European Union's Restriction of Hazardous Substances (RoHS) directive and similar safety and environmental standards. The clearest uses for Z+ cables are confined spaces with large amounts of cables in close proximity to humans or sensitive electronic equipment.

FLEXIBLE (TEMPERATURE UP TO 90°C) (Z+)

Nominal Cross Sectional area of conductor	Nos & Diameter of Wires	Nominal thickness of insulation	Approx. Overall Diameter of Wire	Current rating 2 cable single phase AC/DC	Max DC Resistance at 20°C
sq.mm	mm	mm	mm	Amps	ohm/km
1	20/0.25*	0.7	2.8	13	18.1
1.5	30/0.25*	0.7	3.1	16	12.1
2.5	50/0.25*	0.8	3.8	22	7.41
4	80/0.25*	0.8	4.4	30	4.61
6	84/0.30**	0.8	5.1	38	3.08
10	140/0.30**	6	6	1.91	1.91

* Conductor Shall be Class - V as per IS 8130 | ** Conductor Shall be Class - II as per IS 8130

The Number and Diameter of Conductor Strands are for reference only. Conductor resistance as per IS 8130 is the governing criteria.

FLEXIBLE (TEMPERATURE UP TO 125°C) (Z+ THERMO SETTING)

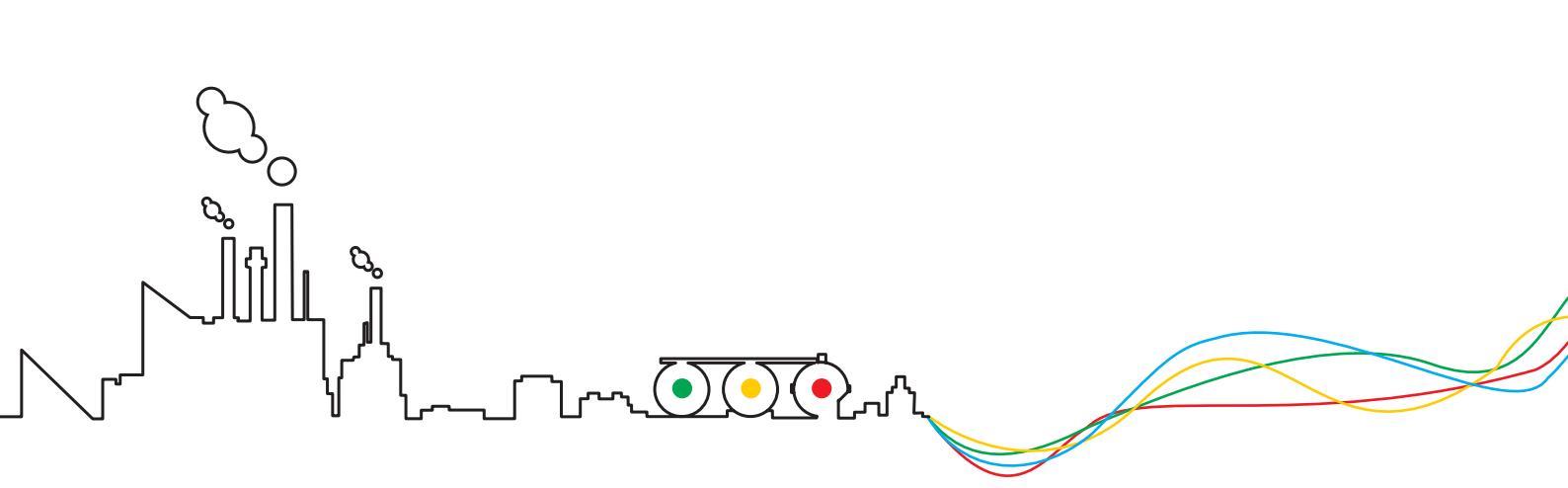
sq.mm	mm	mm	mm	Amps	ohm/km
1	20/0.25*	0.7	2.8	13	18.1
1.5	30/0.25*	0.7	3.1	16	12.1
2.5	50/0.25*	0.8	3.8	22	7.41
4	80/0.25*	0.8	4.4	30	4.61
6	84/0.30**	0.8	5.1	38	3.08
10	140/0.30**	6	6	1.91	1.91

* Conductor Shall be Class - V as per IS 8130 | ** Conductor Shall be Class - II as per IS 8130

The Number and Diameter of Conductor Strands are for reference only. Conductor resistance as per IS 8130 is the governing criteria.

A BRIEF COMPARISON OF PVC AND Z+ CABLES IS GIVEN BELOW

Properties	PVC	Z+
Halogen Gas (mg/g)	>200	<0.5
Corrosive gas (pH)	43467	6
Smoke Density (Rating)	>70	<20
0 Usage Temperature (°C)	70	90
0 Low Temperature (°C)	-20	-50
Dioxin	YES	NO
Toxic Halogen Gas	YES	NO
Lead	YES	NO



MULTICORE INDUSTRIAL WIRES



A long list of features such as safety, reliability, fire resistant, fire retardant, lead free, halogen free and non-toxic are associated with the flexible cables from Step and thus, they are the first level of defence when it comes to hazards in homes, offices or any other commercial establishments. The Step Multicore Round Cables are an eco-friendly choice and are manufactured by one of India's leading producer of cables in a high tech production facility. We produce these cables in 100 mitre length for different core configurations including 2 core, 3 core, 4 core, 7 core, 8 core, 10 core, and so on. Perfect for installation in all electrically operated machines and equipment's such as air conditioners, refrigerators, motors etc. these wires are flexible and provide the best-in-class protection all around. Moreover, they do not heat and work efficiently even under rough conditions.

PROPERTIES OF STEP MULTICORE INDUSTRIAL WIRES

Sq.mm	No. & Size of wire	Thickness of Insulation (Nom)	Nominal thickness of sheathed			Overall Dimension (Approx)			Current Rating AC	Resistance Max. Per Km. @ 20C
			2 Core	3 Core	4 Core	2 Core	3 Core	4 Core		
mm	mm	mm							AMPS	OHMS
1.0	20/0.25*	0.6	0.9	0.9	0.9	6.9	7.3	8.2	12	19.5
1.5	30/0.25*	0.6	0.9	0.9	1	7.6	8.2	9.3	15	13.3
2.5	50/0.25*	0.7	1	1	1	9	9.6	10.5	20	7.98
4.0	80/0.25*	0.8	1	1	1	10.3	10.9	12.3	27	4.95

* Conductor Shall be Class - V as per IS 8130 | ** Conductor Shall be Class - II as per IS 8130

The Number and Diameter of Conductor Strands are for reference only. Conductor resistance as per IS 8130 is the governing criteria.

TECHNICAL DATA:

- Working Voltage: Up to 1100v
- Temperature Range: 15°C to + 70°C.
- Size: 0.5 to 4.0 sq. Mm in two cores to 24 cores 6.0 to 120 sq mm in three and four cores.
- Colour Code: Black and grey, white outer sheath 2 core cable-red, black 3 core cables-red, yellow, blue, black and grey only required colours on specific request.
- Specification: IS 6947: 1990.
- Packing: In 90 Mtr. Coils, Higher sizes on drums



STEP **BRIMSON**

3 CORE FLAT SUBMERSIBLE CABLES

Keep fire hazards at bay while ensuring safety and reliability with Step Cables owing to the special safety parameters for the Step submersible cables under the brand name Brimson . Step, being one of the largest manufacturer of cables for multiple applications has pioneered cable technology with innovations and high tech manufacturing. The flat submersible cable range is available in 100 metre range in 8 different variants. These cables are flexible to be installed in different locations and offer protection under any circumstances. Applications like pumps, motors and various others run perfectly on these cables. offering protection to the entire circuit, appliances and their users, the submersible cables are one of the sturdiest inventions to get your electrical products running smoothly.

TECHNICAL ADVANTAGE:

- 99.97% pure copper conductivity
- Step is using safety wall between each core which increases the life of cable and help in avoiding short circuits
- Compound used for sheathing is Heat retardant which helps in decreasing the outside temperature
- The Design of Submersible Cable is patented by Government of India under Design No. 250447
- which ultimately leads to increase in current carrying capacity of the cable
- Space given on upper and lower surface of the cable helps in maintaining proper Air flow and boost heat resistance of the cable
- Individual outer sheath for each core
- The cable is designed in THAILAND after complete Research & Development

PVC insulated and PVC sheathed cable with plain copper conductor having 3 core flat Specialised for Submersible Motors Voltage upto 1100V.

3 CORE FLAT SPECIALISED CABLES AS PER IS 694 : 1990 WITH ISI MARK

Area Sq. mm	No./ Dia of Strands mm	Thickness (Nom) mm	Thickness (Nom) mm	Width (Approx.) W' mm	Height (Approx.) H' mm	Conductor Resistance @20°C (Max) Ohms / KM	Current Carrying Capacity @40°C Amps
1.0	20/0.25*	0.6	0.9	9.4	4.4	18.1	11
1.5	30/0.25*	0.7	0.9	12.5	5.6	12.10	14
2.5	50/0.25*	0.9	1.1	14.5	5.6	7.41	18
4	80/0.25*	1	1.1	16.5	7.4	4.95	26
6	120/0.25*	1	1.2	19.5	8	3.30	31
10	140/0.30**	1	1.2	22.5	9.6	1.91	42

* Conductor Shall be Class - V as per IS 8130 | ** Conductor Shall be Class - II as per IS 8130

The Number and Diameter of Conductor Strands are for reference only. Conductor resistance as per IS 8130 is the governing criteria.



STEP

3 CORE FLAT XLPE

SUBMERSIBLE CABLES

Step 3 core flat cables insulated with thermoset types cross linked polyethylene (XLPE) insulation with uniform thickness with each of the core colours in red, yellow and blue by using most modern machinery and extrusion techniques. The sheath with uniform thickness of heat and moisture resistant type PVC (Grade ST2) compound formulated and manufactured in-house, is extruded over these coloured cores in a flat formation. The colour of the sheath is white black. The cables undergo stringent quality checks during raw materials, in process and final testing as per the laid down specification and the quality norms. The cables are available progressive sequential marking, company name, size & voltage printed on sheath.



TECHNICAL DATA

Conductor:	Flexible Annealed Electrolytic Grade Bare Copper
Insulation:	Cross Linked Polyethylene (XLPE)
Sheath:	PVC Type ST2 (As Per IS 5831 1984)
Voltage Grade:	Up to and Including 1100V AC 50Hz 3Ph
Temperature:	Max Conductor Temperature of 90°C
Specification:	Generally As Per IS 7098 (Part 1) 1988

PVC insulated and PVC sheathed cable with plain copper conductor having 3 core flat Specialised for Submersible Motors Voltage upto 1100V.

3 CORE FLAT SPECIALISED CABLES AS PER IS 694 : 1990 WITH ISI MARK

Area Sq. mm	No./ Dia of Strands mm	Thickness (Nom) mm	Thickness (Nom) mm	Width (Approx.) W' mm	Height (Approx.) H' mm	Conductor Resistance @20°C (Max) Ohms / KM	Current Carrying Capacity @40°C Amps
1.0	20/0.25*	0.6	0.9	9.4	4.4	18.1	11
1.5	30/0.25*	0.7	0.9	12.5	5.6	12.10	14
2.5	50/0.25*	0.9	1.1	14.5	5.6	7.41	18
4	80/0.25*	1	1.1	16.5	7.4	4.95	26
6	120/0.25*	1	1.2	19.5	8	3.30	31
10	140/0.30**	1	1.2	22.5	9.6	1.91	42

* Conductor Shall be Class - V as per IS 8130 | ** Conductor Shall be Class - II as per IS 8130

The Number and Diameter of Conductor Strands are for reference only. Conductor resistance as per IS 8130 is the governing criteria.

CURRENT CARRYING CAPACITY (AMPS)

Sr.	Size Sq. mm					
No.	Cable Type	1.5	2.5	4	6	10
1	PVC Insulation	14	18	26	31	42
2	XLPE Insulation	22	30	37	46	66

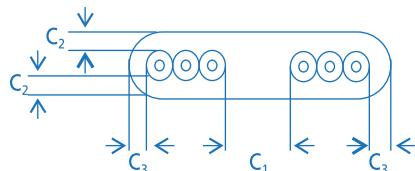
ELEVATOR/ ESCALATOR CABLES



We at Step Cables through our in-house R&D, have developed an Elevator Cable according to British Standard to meet the long awaited requirement of Indian Elevator Companies who are till now Importing such cables to full-fill their needs.

We are already supplying Elevator Cables to Various Big Industries and according to them our product is a big success for them as it has reduced their cost and time. It is an advantage to have an India product so that urgent requirement can be full-filled on time and the product could be modified according the customer's need, if any.

Static flexibility test. Tensile strength of strain-bearing member.



CONSTRUCTION OF CABLES

Conducotr		Radial thickness of insulation	Thickness of sheath and clearances			Minimum Insulation resistance at 70° c
nominal cross-sectional area	maximum diameter of wire		C1	C2	C3	
mm ²	mm		mm	mm	mm	
0.50	0.21	0.5	1.0	0.9	1.5	0.012
0.75	0.21	0.6	1.0	0.9	1.5	0.011
1.00	0.21	0.6	1.0	0.9	1.5	0.010
1.50	0.26	0.7	1.0	1.0	1.5	0.010
2.50	0.26	0.8	1.5	1.0	1.8	0.009

The Cable shall comprise 3 upto and including 24 flexible conductor with nominal cross-section areas from 0.75² mm to 2.5² mm

the annealed bare copper conductor complying with the requirement of BS: 6360. The conductor may tinned as required by customer.

The Insulation consisting of PVC type TI-2 PVC Insulation, complying with the requirement of Bs : 6746

The Sheath consists of PVC type TM2 PVC sheath complying with the requirement os BS: 6746.

The Sheath extruded in a single layer on the cores laid parallel.

The Composition of the cable according to the nominal cross-section area of conductors are as follows

Nominal cross-sectional Area mm	Number of cores
0.50	6, 9, 12, 16, 20 and 24
0.75	6, 9, 12, 16, 20 and 24
1.0	3, 4, 5, 6, 9, 12, 16, 20 and 24
1.50	3, 4, 5, 6, 9 and 12
2.50	3, 4, 5, 6, 9 and 12

The cores are laid parallel in grouped, closely side by side and covered with sheath comply with the following for cables having the preferred numbers of cores.

MECHANICAL PROPERTIES OF SHEATH

Tensile strength before ageing.

Loss of mass test.

Elongation at break before ageing.

Cold elongation test.

Tensile strength after ageing in air.

Cold bend test.

Elongation at break after ageing in air

TEST DESCRIPTION

Constructional and dimensional test.

Check on construction.

Measurement of insulation thickness.

Measurement of sheath thickness.

Mechanical properties on insulation.

Tensile strength before ageing.

Elongation at break before ageing.

Tensile strength after ageing in air.

Elongation at break after ageing in air.

Loss of mass test.

Hot pressure test.

Cold bend test.

Numbers of cores	6	9	12	16	20	24
Numbers of Groups X	2x3	3x3	3x4	4x4	5x4	6x4
Numbers of cores in each Group						

A tearing thread be added inside each core group It shall be possible to separate the cores without damage to the insulation. Stain-bearing thread of textile material may be included in each core group, replacing on or more cores.

PVC INSULATED POWER & CONTROL CABLES



The Power Cables are used for power transmissions and distribution and are operated at high voltages. If the power cables aren't of the highest quality there may be grave things. Step PVC Insulated Power Cables not only ensure a nonstop supply of power but also ensures total safety against any cable malfunction resulting in severe accidents. Step PVC Insulated Power Cables use copper or aluminium conductors, comprising of conductors, insulations, PVC Tape or extruded bedding, armour and outer sheathing. There are both armoured and unarmoured variants of the PVC Insulated Power Cables. They also are available in three varieties; single-core (with a range of up to 1000 Sq.mm.), multi-core (which range varies from 4 Sq.mm to 400 Sq.mm.) and 3.5 core (with a range from 25 Sq.mm to 400 Sq.mm). These power cables maintain the high application standards of IS: 1554 (Part-1).

AREAL BUNCHED CABLES

Aerial Bunched Cables (ABC) is a very novel concept for Over Head Power distribution. When compared to the conventional bare conductor overhead distribution system. ABC provides higher safety and reliability, lower power losses and ultimate system economy by reducing installation, maintenance and operative cost. This system is ideal for rural distribution and especially attractive for installation in difficult terrains such as hilly areas, forest areas, coastal areas etc.

Aerial Bunched Cables is also considered to be the best choice for power distribution congested urban areas with narrow lanes. In developing urban complex, Aerial Bunched Cables is the better choice because of flexibility for rerouting as demanded by changes in urban development plan.



CERTIFICATION

CIMEC Infralabs Private Limited
Lab No. 1781-A, Aman Industrial Estate, Mohan Nagar, Udaipur-313001
Regd. Office: G-1097, Plot No. 17, Shop No. 10, Mawana Bazaar, Bhawna Nagar, Shadarsa, Del-32
Format No: CIL/LAB-QF7-B-01

Test Report
No : CIL/19101908

Page No. 1 of 1
Date of Issue : 30.10.2019
Date of Receipt : 19.10.2019
Date of Completion : 29.10.2019

Issued To : M/s Step Cables (P) Ltd.
592 A/IBAC, Sahdev Col.,
Vishwas Nagar, Ghatala, Delhi-32

Particulars of Samples Submitted:
Nature of Sample : PVC Compound
Quantity : 1Kg
Test Required : ROHS (Presence of Element)
Test Method : AAS Method

OBSERVATIONS		
Sl.No.	Test	Test Results
1	Cadmium	Absent
2	Lead	Absent
3	Mercury	Absent
4	Hazardous Chromium (Cr ⁶⁺)	Absent
5	Polybrominated Biphenyls	Absent
6	Polybrominated Diphenyl Ether	Absent

Remarks : The tested elements are observed absent under the detection limit 0.006 ppm.

Signature: *[Signature]*
(S. N. Sahay)
Technical Manager

End of the Report



CERTIFICATE

IQNet and VINÇOTTE N.V.
hereby certify that the organization

Step Industries Pvt. Ltd.
G1 52 to 59, RIICO Industrial Area,
Shahjahan Pur - Dist. Alwar, Rajasthan (India)

for the following field of activities

**Manufacture and Supply of Single & Multicore Wires, LT Cables,
 Armoured and Unarmoured, Signalling & Telephone Cable**

**has implemented and maintains a
 Management System
 which fulfills the requirements of the following standard**

ISO 9001:2015

Issued on : 13 March 2017
Validity date : 12 March 2020
Registration Number : BE-17 QMS 6220

IQNet
[Signature]
Michael Drechsel
President of IQNet

Bart Janssens
Chairman Certification Committee

- IQNet -
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

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**has implemented and maintains a
 Management System
 which fulfills the requirements of the following standard**

ISO OHSAS 18001:2007

Issued on : 13 March 2017
Validity date : 12 March 2020
Registration Number : BE-17 OHSMS 372

IQNet
[Signature]
Michael Drechsel
President of IQNet
[Signature]
Bart Janssens
Chairman Certification Committee

IQNet Partners:
 ABICB Spain, AFIRIS Certification France, VNC Vietnam, ARCEB Portugal, CCC Cyprus,
 CECI Italy, CQC China, COM China, COS Czech Republic, CSC Costa Rica, DQS Holding GmbH Germany,
 PCAV Brazil, PGSI Indonesia, KOSTEC Indonesia, MSC Mexico, InterCert Pakistan, RITEC India, SGS Pakistan,
 TÜV Austria, TÜV Germany, TÜV Switzerland, TÜV Singapore, TÜV Thailand, TÜV Turkey, TÜV United Arab Emirates, TÜV Ukraine, TÜV Vietnam, TÜV World, TÜV ZERO International Malaysia,
 UL USA, UL Canada, UL Japan, UL Korea, UL Mexico, UL Israel, UL Sweden, UL BIM QMS International Malaysia.
 IQNet is represented in the USA by AFIRIS Certification, CECI, CQC Holding GmbH and SGSI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



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 which fulfills the requirements of the following standard**

ISO 14001:2015

Issued on : 13 March 2017
Validity date : 12 March 2020
Registration Number : BE-17 EMS 1050

IQNet
[Signature]
Michael Drechsel
President of IQNet

Bart Janssens
Chairman Certification Committee

CIMEC Infralabs Private Limited
Lab No. 1781-A, Aman Industrial Estate, Mohan Nagar, Udaipur-313001
Regd. Office: G-1097, Plot No. 17, Shop No. 10, Mawana Bazaar, Bhawna Nagar, Shadarsa, Del-32
Format No: CIL/LAB-QF7-B-01

TEST REPORT
**As Per IS 854-2010 with Amend. No. 1, 2 & 3
& Customer Specification**

Report No. : CIL/19101907
Issued To : M/s Step Cables (P) Ltd.
592 A/IBAC, Sahdev Col.,
Vishwas Nagar, Ghatala, Delhi-32

Particulars of Samples Submitted:
Nature of Sample : PVC Compound (Zero Halogen)
Size/Grade/Cross Variety : -
Type/Batch No. etc. : -

Quantity : 1Kg

TEST RESULTS		SPECIFIED REQUIREMENTS			TEST RESULTS	
SL.NO.	TEST (CL Ref.)	TEST METHOD				
1	IMPROVED FIRE PERFORMANCE TESTS (For Cat-FR & FR-LZH)					
a)	Halogen Acid Gas Evolution % by wt (CH ₁₀ Br) (FR-LZH)	IEC 60754	Insulation	0.5	Max	0.31

Remarks : The sample conforms to IS 854-2010 with respect to above requirements.

Signature: *[Signature]*
(S. N. Sahay)
Technical Manager

IQNet Partners:
 ABICB Spain, AFIRIS Certification France, VNC Vietnam, ARCEB Portugal, CCC Cyprus,
 CECI Italy, CQC China, COS Czech Republic, CSC Costa Rica, DQS Holding GmbH Germany,
 PCAV Brazil, PGSI Indonesia, KOSTEC Indonesia, MSC Mexico, InterCert Pakistan, RITEC India, SGS Pakistan,
 TÜV Austria, TÜV Germany, TÜV Switzerland, TÜV Singapore, TÜV Thailand, TÜV Turkey, TÜV ZERO International Malaysia,
 UL USA, UL Canada, UL Japan, UL Korea, UL Mexico, UL Israel, UL Sweden, UL BIM QMS International Malaysia.
 IQNet is represented in the USA by AFIRIS Certification, CECI, CQC Holding GmbH and SGSI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

Certificate of Registration

ISO 14001:2015

This is to Certify that
Environmental Management System of

STEP INDUSTRIES PVT. LTD.

G1 - 52 TO 59, RIICO INDUSTRIAL AREA, SHAHJAHANPUR,
DIST. - ALWAR, RAJASTHAN, INDIA.

has been assessed and found to conform to the requirements of
ISO 14001:2015

for the following scope :

MANUFACTURE AND SUPPLY OF SINGLE & MULTICORE WIRES,
LT CABLES, ARMoured AND UNARMoured, SIGNALING
& TELEPHONE CABLE.

Certificate No : 20IEER41
Initial Registration Date : 12/03/2020
Date of Expiry* : 11/03/2023
1st Surv. Due : 12/02/2021 Issuance Date : 12/03/2020
2nd Surv. Due : 12/02/2022


Director



ACCREDITED
Management Systems
Certification Body
MSCB-119

MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT
IAF

AQC MIDDLE EAST FZE.

Head Office: El-1401 E Ambar Gom Tower, Sharif Khalefa Bin Zayed Road, 2, Ajman, UAE. e-mail: info@aqcworld.com
Key Location: 403, Maadihan Building, 55, Nafra Place, New Delhi - 110019, India. e-mail: info@aqcworld.com
Validity of the Certificate is subject to successful completion of surveillance audit on or before the due date. No late surveillance audit is not allowed to be conducted. This certificate shall be responsible for audit.

Certificate Verification: Please check the validity of certificate at <http://www.aqcworld.com/certification.aspx> or <http://www.aqcworld.com/audit.aspx>. Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.

Certificate of Registration

This is to Certify that
Occupational Health & Safety Management System of

STEP INDUSTRIES PVT. LTD.

G1 - 52 TO 59, RIICO INDUSTRIAL AREA, SHAHJAHANPUR,
DIST. - ALWAR, RAJASTHAN, INDIA.

has been assessed and found to conform to the requirements of
ISO 45001:2018

for the following scope :

MANUFACTURE AND SUPPLY OF SINGLE & MULTICORE WIRES,
LT CABLES, ARMoured AND UNARMoured, SIGNALING
& TELEPHONE CABLE.

Certificate No : 20TOEE42
Initial Registration Date : 12/03/2020
Date of Expiry* : 11/03/2023
1st Surv. Due : 12/03/2021 Issuance Date : 12/03/2020
2nd Surv. Due : 12/02/2022


Director



ACCREDITED
Management Systems
Certification Body
MSCB-119

IAF

AQC MIDDLE EAST FZE.

Head Office: El-1401 E Ambar Gom Tower, Sharif Khalefa Bin Zayed Road, 2, Ajman, UAE. e-mail: info@aqcworld.com
Key Location: 403, Maadihan Building, 55, Nafra Place, New Delhi - 110019, India. e-mail: info@aqcworld.com
Validity of the Certificate is subject to successful completion of surveillance audit on or before the due date. No late surveillance audit is not allowed to be conducted. This certificate shall be responsible for audit.

Certificate Verification: Please check the validity of certificate at <http://www.aqcworld.com/certification.aspx> or <http://www.aqcworld.com/audit.aspx>. Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.

Certificate of Registration

This is to Certify that
Quality Management System of

STEP INDUSTRIES PVT. LTD.

G1 - 52 TO 59, RIICO INDUSTRIAL AREA, SHAHJAHANPUR,
DIST. - ALWAR, RAJASTHAN, INDIA.

has been assessed and found to conform to the requirements of
ISO 9001:2015

for the following scope :

MANUFACTURE AND SUPPLY OF SINGLE & MULTICORE WIRES,
LT CABLES, ARMoured AND UNARMoured, SIGNALING
& TELEPHONE CABLE.

Certificate No : 20IQEM53
Initial Registration Date : 12/03/2020
Date of Expiry* : 11/03/2023
1st Surv. Due : 12/02/2021 Issuance Date : 12/03/2020
2nd Surv. Due : 12/02/2022


Director



ACCREDITED
Management Systems
Certification Body
MSCB-119

IAF

AQC MIDDLE EAST FZE.

Head Office: El-1401 E Ambar Gom Tower, Sharif Khalefa Bin Zayed Road, 2, Ajman, UAE. e-mail: info@aqcworld.com
Key Location: 403, Maadihan Building, 55, Nafra Place, New Delhi - 110019, India.
Validity of the Certificate is subject to successful completion of surveillance audit on or before the due date. No late surveillance audit is not allowed to be conducted. This certificate shall be responsible for audit.

Certificate Verification: Please check the validity of certificate at <http://www.aqcworld.com/certification.aspx> or <http://www.aqcworld.com/audit.aspx>. Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.

OUR SATISFIED CLIENTS





SURAKSHA HAR KADAM

Manufactured by:

STEP INDUSTRIES PVT. LTD.

G1-52 to 59, RILCO Industrial Area, Shahjahanpur,
Distt. Alwar, Rajasthan.

E-mail: feedback@thestepindia.com

Website: www.thestepindia.com

Corporate office:

STEP CABLES PVT. LTD

Suit No. 201, BSI Business Park

H-161, Sector-63, Noida - 201301 (U.P)

Telephone: 0120 6849500

E-mail: info@stepcable.com

Website: www.stepcable.com

