



Bring Home A World Of

# **SAVINGS And Safety**



ISO 9001 : 2015



## CERTIFICATION & STANDARDS

ZIPCON Cables Pvt. Ltd. is an acclaimed ISO 9001:2015 certified company and conforms to IS 694, IS 1554 (Part 1), IS 7098 (Part 1) and IS 14255.

<b>BUREAU OF INDIAN STANDARDS</b>			
Attachment to Licence No. CML- 0003259864			
CML-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
0003259864	UNITECH CABLES -A-63, FIRST FLOOR, „JHILMI INDUSTRIAL AREA , Delhi -110095	POLYVINYL CHLORIDE INSULATED UNSHEATHED CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UP TO AND INCLUDING 1100 V	IS 694 : 2010

**Endorsement No. 18 Dated 30-Nov-2025**

Whereas, the licence was valid upto First December Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 30-NOV-2025 has been extended from First December Two Thousand Twenty Five to Thirty November Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Delhi Branch Office - II)

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0003259864	UNITECH CABLES - A-63, FIRST FLOOR, JHILMI, INDUSTRIAL AREA, Delhi : 110095	POLYVINYL CHLORIDE INSULATED UNSHEATHED CABLES CORDS WITH RIGID FLEXIBLE CONNECTORS FOR RATED VOLTAGES UP TO AND INCLUDING 1100 V	IS 694 : 2010

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## In-House PVC Compounding

- In-house PVC compounding for insulation and sheath
- Full control of formulation and thermal stability
- Custom FR / FRLS / FRLSH cable compounds
- Batch-wise electrical and mechanical testing
- RoHS-compliant materials, lead-free option
- Precision temperature-controlled mixing
- Filtration for impurity-free compound
- In-house masterbatch for shade and UV stability
- Moisture-controlled material handling
- Complies with IS 694 / IS 8130 / IEC 60227
- Complete batch traceability



## Brief Introduction:

**ZIPCON CABLES** is one of the fastest growing Electrical Companies in India since the last three decades. We are a leading manufacturer of a wide range of electrical products for Domestic, Agricultural, and Industrial use. The company has established its position as a front runner due to its reliable and high-quality products, reflected in customer approvals that meet stringent technical and safety requirements. Our products are manufactured using the latest technology in a well-equipped plant, supported by advanced R&D facilities and an experienced workforce. At ZIPCON, we believe in growing stronger and better to deliver the best quality products to our customers.

## Quality Policy:

The firm belief of the company in “Total Quality Assurance” in all **ZIPCON** products is based on customer needs and expectations. Various steps and procedures are adopted to ensure consistent quality and to meet specific requirements, leading to total customer satisfaction. Our objectives are:

1. To maintain a quality system that complies with Bureau of Indian Standards specifications IS: 694.
2. To maintain a quality management system that complies with ISO 9001:2015.
3. To engage vendors who share a strong commitment to quality.

## Mission:

Building customer confidence by providing a wide range of quality products. Keeping the pace with new innovations and development acting with complete integrity, by carrying out to the highest standards.

## Vision:

To design a competitive intelligence system to ascertain our position a market leader. Which in turn helps into balance a customer versus competitor orientation.



# ALUMINIUM SERVICE WIRE



## APPLICATION

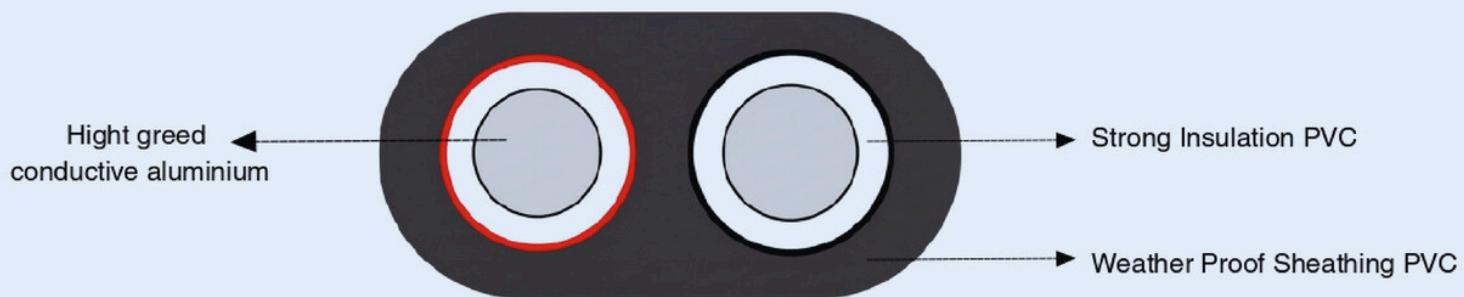
Aluminium service wire connects the utility power line to a building's main panel. Made from lightweight aluminium alloy with PVC or XLPE insulation, it offers a cost-effective, durable solution for residential, commercial, and industrial power distribution.

## FEATURES

- Lightweight and easy to install
- Cost-effective alternative to copper
- High electrical conductivity
- Durable PVC or XLPE insulation
- Corrosion and heat resistant
- Suitable for indoor and outdoor use
- Complies with electrical safety standards

## TECHNICAL DETAILS

- **Conductor Material:** Aluminium or aluminium alloy
- **Insulation Type:** PVC or XLPE
- **Voltage Rating:** Up to 600/1100 V (as per application)
- **Temperature Range:** -15°C to +90°C (XLPE up to 105°C)
- **Conductor Type:** Solid or stranded
- **Color Code:** Black, red, or as specified
- **Application:** Service-entrance and feeder wiring
- **Standards:** Complies with IS, IEC, or equivalent codes



## SPECIFICATION TABLE

Area (sq mm)	Wire dia (mm)	Rated current (A)	Max DC current (A)	Typical load (W @230V)
0.75	1.0	6.0	8.0	1380.0
1.0	1.13	8.0	10.0	1840.0
1.5	1.38	12.0	14.0	2760.0
2.5	1.78	18.0	22.0	4140.0
4.0	2.25	24.0	30.0	5520.0
6.0	2.76	32.0	38.0	7360.0
10.0	3.57	45.0	55.0	10350.0
16.0	4.51	60.0	72.0	13800.0
25.0	5.64	80.0	95.0	18400.0

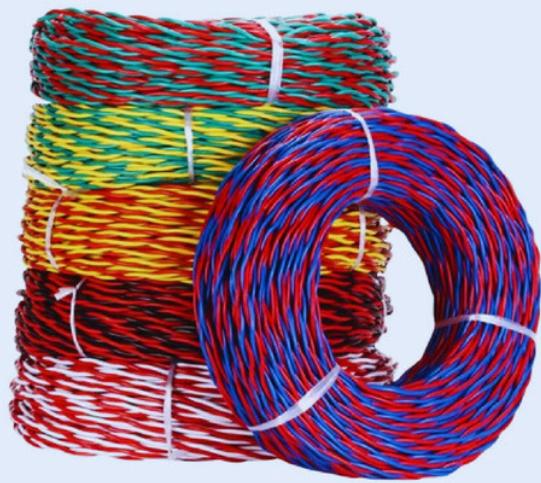
# FLEXIBLE WIRE

## APPLICATION

Ideal for LED strings and low-voltage systems. Flexible for easy routing across balconies, ceilings, temples, and outdoor setups during festivals. Durable twisted design ensures stable current flow for long lighting runs.

## FEATURES

- **Copper Conductor:** Twisted for steady current flow
- **Flexibility:** Easy to route and shape around décor
- **Weight:** Lightweight for fast installation
- **Lighting Support:** Ideal for LED strings, serial lights, jhalar lights
- **Voltage Stability:** Suitable for long festive lighting runs
- **Insulation:** Safe for household decorative applications
- **Usage:** Indoor and outdoor festive setups



## TECHNICAL DETAILS

- **Conductor Material:** Copper
- **Conductor Type:** Multi-strand twisted pair
- **Conductor Size:** 0.5 sq.mm to 1.0 sq.mm (varies by build)
- **Insulation Material:** PVC / flexible grade
- **Voltage Rating:** Up to 300V (household low-voltage lighting circuits)
- **Temperature Range:** -15°C to +70°C (standard PVC operation)
- **Insulation Properties:** Flame-retardant PVC
- **Flexibility:** High flex for easy routing
- **Application Category:** Decorative and festival lighting circuits

## SPECIFICATION TABLE

Conductor Area	Strand Construction	Approx. Outer Diameter	Typical Application
0.30 sq.mm	7/0.20 mm	1.8 – 2.2 mm	LED strings, jhalar lights
0.50 sq.mm	16/0.20 mm	2.5 – 3.0 mm	Decorative LEDs, serial lights
0.75 sq.mm	24/0.20 mm	3.0 – 3.5 mm	Balcony & indoor lighting
1.00 sq.mm	32/0.20 mm	3.5 – 4.0 mm	Outdoor festive lighting



# SOLAR CABLE

## APPLICATION

Solar cables are designed for photovoltaic power systems, suitable for both fixed and flexible installations. They can be used indoors, outdoors, underground, or in hazardous and agricultural environments.

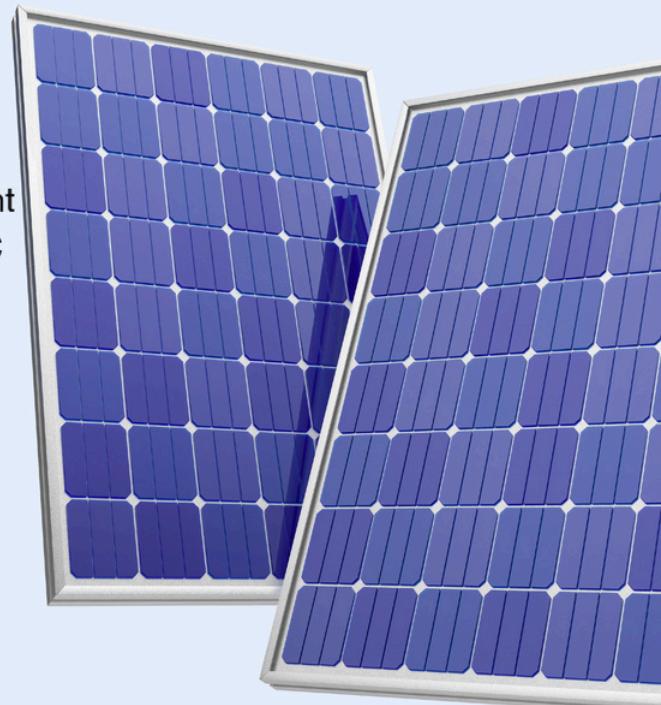
## FEATURES

- Rated for high-power systems up to 2.0 kV DC.
- UV, ozone, and weather resistant for long outdoor life.
- Resistant to oils, acids, alkalis, and ammonia.
- Low-smoke and better flame-retardant design for safety.
- Tin-plated copper for superior conductivity and corrosion resistance.

## TECHNICAL DETAILS

### Thermal parameters

- Max ambient temperature +90°C
- Designed for harsh climates from -40°C to +90°C ambient
- Sustains continuous conductor temperature up to +120°C
- Withstands +250°C short-circuit heat for 5 seconds

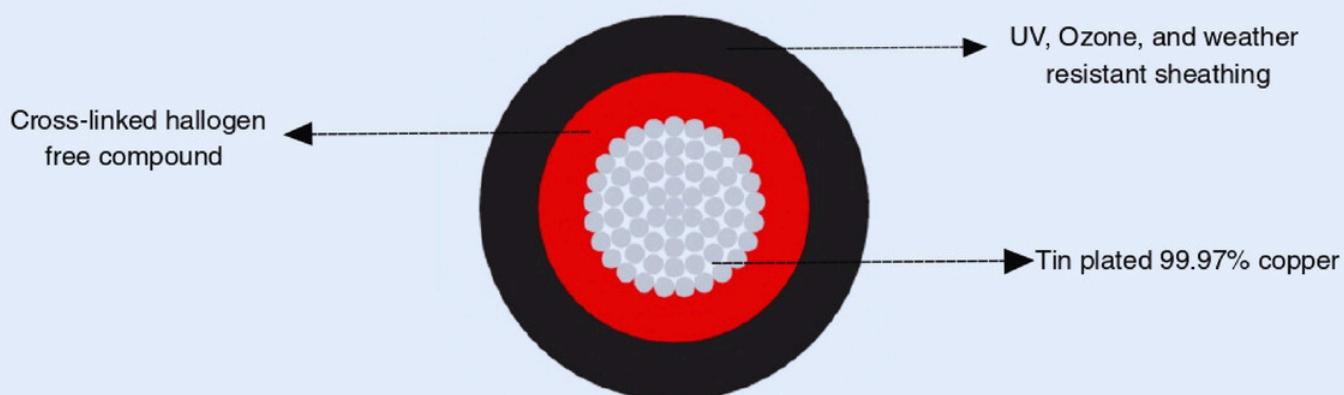


### Electrical parameters

- **Voltage rating:** AC 0.6/1.0 kV
- **Max PV system voltage:** DC 2.0 kV
- **Max operating voltage:** AC 0.7/1.2 kV, DC 0.9/1.8 kV
- **Test voltage:** AC 6.5 kV / DC 15 kV (15 min)

### Construction parameters

- **Conductor:** Fine tinned copper per BS EN 60228 Class 5
- **Insulation:** UV-resistant, cross-linked, halogen-free, flame-retardant compound
- **Core ID:** Red, black, or natural
- **Sheath:** UV-resistant, cross-linked, halogen-free, flame-retardant compound
- **Cable colors:** Red, black, black with red stripe





## SPECIFICATION TABLE

Nominal Cross-Sectional (Sq. mm)	Insulation Thickness (mm)	Outer sheath Thickness (mm)	Approx. Cable Diameter (mm) as per EN 50618	Current carrying capacity according to method of installation			Max. Conductor Resistance at 20°C, (Ω/Km)
				Single cable free in air (A)	Single cable on a surface (A)	Two loaded cables touching, on a surface (A)	
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
35.0	0.90	1.10	11.49	218	207	176	0.565
50.0	1.00	1.20	13.33	276	262	221	0.393
70.0	1.10	1.20	15.19	347	330	278	0.277
95.0	1.10	1.30	16.94	416	395	333	0.210
120.0	1.20	1.30	18.71	488	464	390	0.164
150.0	1.40	1.40	20.86	566	538	453	0.132
185.0	1.60	1.60	23.24	644	612	515	0.108
240.0	1.70	1.70	26.14	755	736	620	0.0817

# SUBMERSIBLE 3 CORE FLAT CABLE



## APPLICATION

They are mainly used to supply power to pumps, these cables are specially manufactured keeping in mind the severe, tough and difficult conditions in which they are used.

## FEATURES

- Better finish and strength for heavy duty applications.
- High abrasion & weather resistant.
- Superior flame resistant.

## TECHNICAL DETAILS

**Conductor :** 99.97% EC grade, uniformly bunched

**Core Colours :** Red, yellow (centre core), blue

**Sheath Colour :** Black/Blue

**Voltage Grade:** Upto and inducting 1100V

**Packing:** 500mtr in coils.



## SPECIFICATION TABLE

Conductor Area (in Sq. mm) (Nominal)	No. of strands and Diameter (Nominal)	PVC Insulation in mm (Nominal)	Sheath Thickness in mm (Nominal)	Approx. Overall Dimensions (in mm)		Approx Conductor Resistance at 20°C Ω / km	Current Carrying Capacity at 40°C in Amps
				Width	Thickness		
1.5	22/0.30	0.80	1.15	12.60	6.00	12.10	14.0
2.5	36/0.30	0.90	1.15	14.45	6.40	7.41	18.0
4.0	56/0.30	1.00	1.15	16.60	7.40	4.95	26.0
6.0	84/0.30	1.00	1.15	18.15	7.90	3.30	31.0
10.0	140/0.30	1.00	1.40	23.20	9.90	1.91	42.0
16.0	226/0.30	1.00	1.40	27.20	11.40	1.21	57.0
25.0	354/0.30	1.20	2.00	35.20	14.70	0.780	72.0
35.0	495/0.30	1.20	2.00	39.20	16.20	0.554	90.0
50.0	703/0.30	1.40	2.20	45.50	18.30	0.386	115.0
70.0	988/0.30	1.40	2.20	51.00	20.00	0.272	143.0
95.0	1349/0.30	1.60	2.40	60.00	23.50	0.206	165.0

# MULTI CORE ROUND CABLES

## APPLICATION

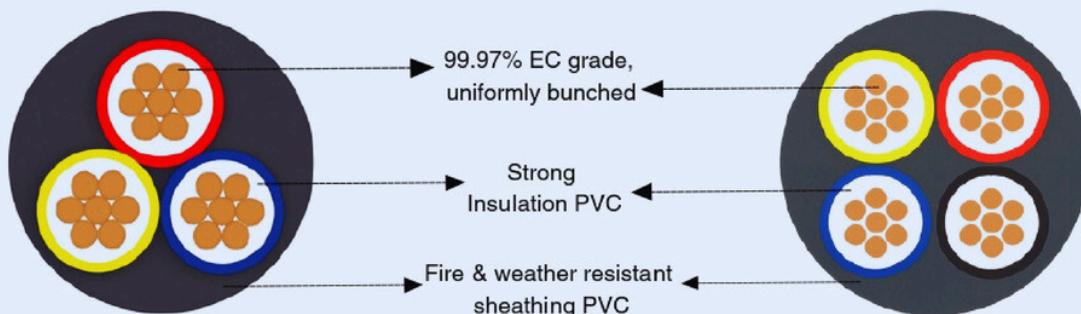
For use in connections of household appliances, plant and machinery, Flexible & Cord Cables and Residential and Commercial Infrastructure projects.

## FEATURES

- Durable for heavy-duty use.
- Superior weather resistance.
- Better flexibility for easy handling.
- Enhance thermal strength & fire resistance.

## TECHNICAL DETAILS

- **Standard:** IS 694:2010
- **Voltage:** Up to 1100 V
- **Sizes:** 2, 3, 4 cores (0.5-16 Sq.mm)
- **Conductor:** Electrolytic copper, Class 5 (IS 8130)
- **Insulation:** PVC, 70°C (IS 5831)
- **Sheath:** PVC, 70°C (IS 5831)
- **Colours:** Black, Ivory White, Grey
- **Packaging:** Standard 90 mtr coils.



## SPECIFICATION TABLE

Conductor nominal area in Sq.mm	Number & nominal diameter of wire in No./mm	Resistance (Maximum) per km. @ 20°C in Ohm	Nominal thickness of insulation in mm	Nominal thickness of sheath in mm			Approximate over all diameter in mm			Current carrying capacity in Ampere (Unenclosed - clipped directly to a surface or on cable tray)	
				2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	2 Core & 3 Core Cables for Single Phase AC DC/	3 Core & 4 Core Cables for Three Phase AC
0.50	16/0.2	39.0	0.6	0.9	0.9	0.9	6.2	6.5	7.0	4	4
0.75	24/0.2	26.0	0.6	0.9	0.9	0.9	6.5	6.9	7.5	7	7
1.0	32/0.2	19.5	0.6	0.9	0.9	0.9	6.9	7.4	8.0	12	10
1.5	30/0.25	13.3	0.6	0.9	0.9	1.0	7.5	8.0	8.7	16	14
2.5	48/0.25	7.98	0.7	1.0	1.0	1.0	8.9	9.4	10.3	20	18
4.0	56/0.3	4.95	0.8	1.0	1.0	1.0	10.1	10.8	11.9	27	24
6.0	84/0.3	3.30	0.8	1.1	1.2	1.2	11.5	12.4	13.6	34	30
10.0	80/0.4	1.91	1.0	1.3	1.4	1.4	14.7	15.8	17.5	44	39
16.0	126/0.4	1.21	1.0	1.4	1.4	1.4	17.0	18.1	20.0	61	55

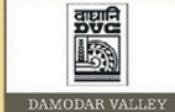
## CLIENTS &amp; APPROVALS

DEPARTMENT

INDUSTRIES

BUILDER

CONTRACTOR

 COAL INDIA LTD.	 BSNL Connecting India	 CHITTARANJAN LOCOMOTIVE WORKS	 CENTRAL PUBLIC WELFARE DEPT.	 DAMODAR VALLEY CORPORATION	 DEPT. OF ATOMIC ENERGY	 BICCO LAWRIE LTD.
 INSURANCE AUSTRALIA GROUP	 NESCO	 INDIAN OIL LTD.	 WEST BENGAL STATE ELECTRICITY DISTRIBUTION COMPANY	 GARDEN REACH SHIP BUILDERS & ENGG.	 RESERVE BANK OF INDIA	 BORDER SECURITY FORCE
 INDIAN RAILWAY	 KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY	 KOLKATA MUNICIPAL CORPORATION	 PWD	 ROYALE GOVT. OF BHUTAN	 ENERGY DEPARTMENT GOVERNMENT OF JHARKHAND	 MILITARY ENGINEER SERVICES
 WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LTD	 WESCO WESTERN ELECTRICITY SUPPLY COMPANY OF ODEHA	 SOUTH UTILITY ODISHA	 Government of Uttar Pradesh Public Works Department	 PWD UTTAR PRADESH	 UP HOUSING & DEVELOPMENT BOARD	 UP JAL NIGAM

 JW MARRIOTT HOTELS & RESORTS JW MARRIOTT GROUP	 VISION SPONGE IRON PVT. LTD.	 ADHUNIK GROUP OF INDUSTRIES	 ADITYA BIRLA GROUP	 CESC LIMITED	 WESTSIDE Surprisingly affordable style	 SUPER SHAKTI SUPER SMELTON
 NIRMAL WIRES PVT. LTD	 AIR-CON	 AMRI HOSPITALS getwell sooner	 Apollo HOSPITALS getwell sooner	 RASHMI GROUP	 UTKARSH TUBES & PIPES LTD.	 POWER CONTROL GROUP
 SHYAM FERRO	 ORIENT	 neo metaliks ltd.	 Balrampur Chini Mills Ltd.	 BHARTI AIRTEL	 SURYA ALLOYS INDUSTRIES LTD.	 POLAR Switch on to Polar
 CINNI FAN	 EXIDE INDUSTRIES LTD.	 HALDIRAM BHUJAWALA	 HIMADRI CHEMICALS & INDUSTRIES LTD.	 SKIPPER Limited	 ISPAT ALLOYS INDIA PVT. LTD.	 PANTALOONS
 NALCO GROUP	 ELECTROSTEEL CASTING LIMITED	 KHAITAN FAN LIMITED	 KRITIKA WIRES PVT. LTD.	 USHA MARTIN TECHNOLOGIES	 MONNET ISPAT LTD.	 TATA METALIKS

 AVANI GROUP	 DLF INDIA LTD.	 SIMPLEX INFRASTRUCTURES LTD.	 emami limited Making people healthy & beautiful, naturally	 SOUTH CITY MALL	 mani changeforgood	 PS GROUP Developing Properties • Building Homes
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 ALSTOM INDIA LTD.	 LARSEN & TOUBRO LIMITED	 PAHARPUR COOLING TOWERS LTD.	 VOLTA LIMITED	 Simplex Infrastructures Limited	 STERLING & WILSON	 BLUE STAR LIMITED
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A Quality Product by:  
**UNITECH CABLES**

(An IS/ISO 9001:2015 certified company)

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