

deepcab[®]

Wires & Cables



28+ Years

business legacy

800+ SKUs

across industry segments

2 Million+

(20 Lac) meters of
ready stock



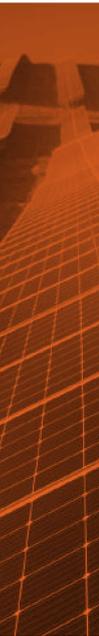
“Powering Connections”

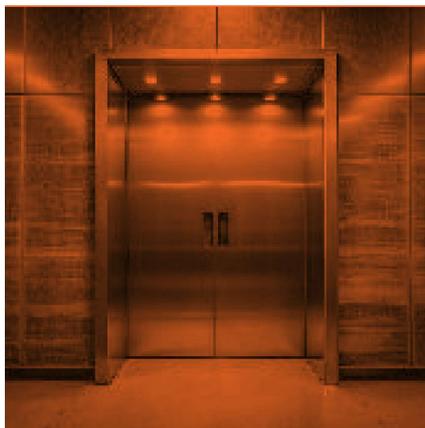
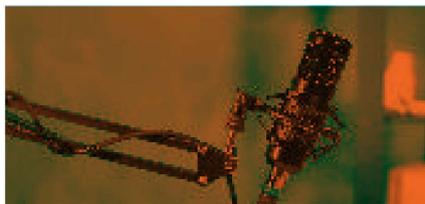
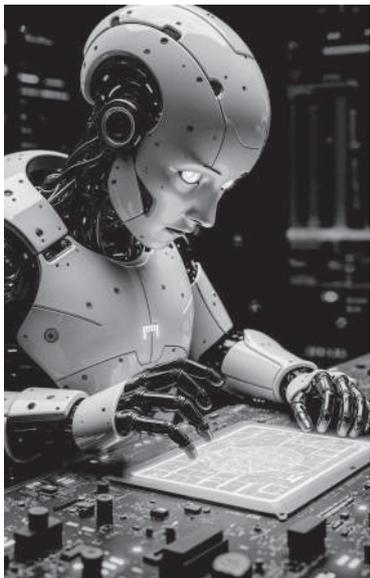
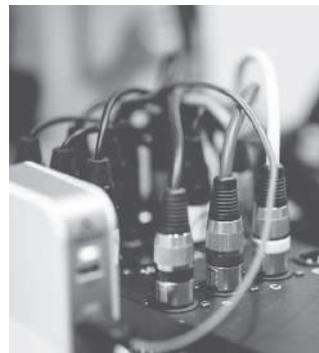
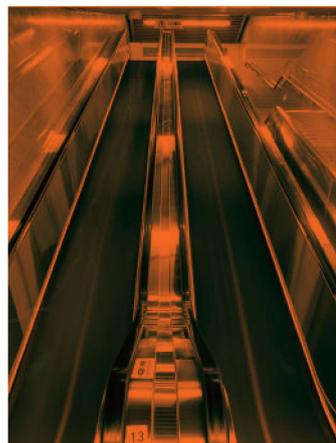
Our purpose is to power connections that drive progress by delivering high-performance, reliable solutions engineered in India and trusted for supporting industries, infrastructure, and innovation globally.

“Vision & Mission”

To become the globally trusted partner for future-focused businesses delivering scalable, engineered solutions that enable progress across industries, infrastructure, and next-generation projects.

Powering success through dependable solutions and seamless service helping manufacturers, project developers, and distribution networks minimize downtime, optimize operations, and scale confidently.





Application Based Speciality Cable



<dc> deepcab BMS Cable

Features

- Optimized signal transmission for analogue and digital signals using high quality copper strands.
- Enhanced data integrity with electrostatic screen.
- High flexibility and low bending radius by using special PVC compound.

Application

- Control & monitoring in Building Management Systems (BMS).
- Signal & measuring systems in industrial plants.
- Renewable energy installations.

Construction

- Fine conductor strands of ABC - Annealed Bare Copper.
- Polyethylene/PVC based core insulation. Drain wire of ATC - Annealed Tinned Copper and overall Aluminium tape wrapping.
- Rip cord under outer sheathing of special PVC based compound.

Technical Data

 **Test Voltage :**
AC 1100 V

 **Rated voltage :**
300 V

 **Temperature Range :**
-20 C to +70 C

No. of Cores (No.)	Overall Diameter (App.) for Cross Sectional Area of Conductor				
	0.25 sqmm (mm)	0.5 sqmm (mm)	0.75 sqmm (mm)	1 sqmm (mm)	1.5 sqmm (mm)
2	3.8	4.8	5.2	5.6	6.6
3	4.1	5.0	5.5	5.9	7.0
4	4.5	5.4	6.0	6.4	7.6
6	5.4	6.3	7.0	7.6	9.0
8	6.0	7.0	7.8	8.4	10.1
10	6.8	7.9	8.8	9.5	11.5
12	6.9	8.1	9.1	9.8	11.9
16	7.6	9.0	10.0	10.9	13.2
20	8.3	9.9	11.1	12.1	14.7
24	9.2	11.0	12.3	13.4	16.4

*The above data is only indicative and may be revised without prior intimation. The number and diameter of conductor strands are for reference only.

<dc> deepcab Fire Alarm Cable



Features

- Flame retardant and fire resistant, ensuring Operational integrity during emergencies.
- Electrostatic screen for enhanced signal integrity.
- Low smoke zero halogen (LSZH), flame retardant construction.

Application

- Fire and smoke detector wiring.
- Fire alarm panels and sounders.
- Fire command center circuits in buildings, hospitals, schools, and complexes.

Construction

- Conductor strands of Annealed Bare Copper (ABC) wrapped with Mica (fire-resistant) tape and XLPE based core insulation.
- Cores wrapped in Glass Fiber tape. Drain wire of ATC - Annealed Tinned Copper.
- Overall Aluminium Tape wrapping and outer sheathing of LSZH compound.

Technical Data

 **Test Voltage :**
AC 1100 V

 **Rated voltage :**
300/500 V

 **Temperature Range :**
-15 C to +70 C

Cross Sectional Area of Conductor (Nom.) (Sq mm)	Overall Diameter (App.)		
	2 Core (mm)	3 Core (mm)	4 Core (mm)
1.5	10.0	10.8	12.0
2.5	11.5	12.3	13.5

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Fire Survival Cable

<dc> deepcab Fire Survival Cable



Features

- Maintains circuit integrity under fire conditions.
- Armoring to provide enhanced mechanical protection.
- Low smoke zero halogen (LSZH), flame retardant construction.

Application

- Emergency lighting circuits.
- Power for fire-fighting lifts.
- Vital circuits in hospitals, theatres, malls, tunnels, mass transit, power stations, data centers.

Construction

- Conductor strands of Annealed Bare Copper (ABC) wrapped with Mica (fire-resistant) tape and XLPE based core insulation.
- Cores laid up with overall Glass Fiber tape wrapping and inner sheathing of LSZH compound.
- Armoring of steel wires and outer sheathing of LSZH compound.

Technical Data

 **Test Voltage :**
AC 3500 V

 **Rated voltage :**
600 / 1000 V

 **Temperature Range :**
-15 C to +90 C

Cross Sectional Area of Conductor (Nom.) (Sq mm)	Thickness of Insulation (mm)	Dia. Of Armour Wire (mm)	Overall Diameter (App.)		
			2 Core (mm)	3 Core (mm)	4 Core (mm)
1.5	0.6	0.90	13.0	13.5	14.8
2.5	0.7	0.90	14.5	15.0	16.0
4	0.7	0.90	15.5	16.5	17.8
6	0.7	1.25	17.0	17.5	20.0
10	0.7	1.25	19.0	20.5	22.0
16	0.7	1.25	21.0	22.5	24.5
25	0.9	1.60	22.5	26.5	28.5
35	0.9	1.60	24.0	29.0	31.5
50	1.0	1.60	26.5	29.5	33.2
70	1.1	2.00	30.0	33.0	39.2
95	1.1	2.00	34.0	38.0	43.2

*The number and diameter of conductor strands are for reference only.
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<dc> deepcab Solar Cable

Features

- UV and weather resistant, designed for outdoor installations and harsh environments.
- Can handle high voltages and currents specific to solar power systems.
- Built for long-term durability and longevity.

Application

- Designed for use in photovoltaic (PV) power systems.
- Used for cabling between solar modules and connecting to the DC/AC inverter.
- Suitable for indoor, outdoor, industrial, and agricultural use.

Construction

- Fine conductor strands of ATC - Annealed Tinned Copper.
- UV Resistant XLPO compound based core insulation .
- Outer sheathing of UV Resistant XLPO compound.

Technical Data

 **Test Voltage :**
AC 6500 V

 **Rated voltage :**
DC 1500 V

 **Temperature Range :**
-15 C to +90 C

Cross Sectional Area of Conductor (Nom.)	Thickness of Insulation	Overall Diameter (App.)	Current Rating AC
(Sq mm)	(mm)	(mm)	(mm)
1.5	0.7	4.4	30
2.5	0.7	4.8	41
4	0.7	5.4	55
6	0.7	6.1	70
10	0.7	7.3	98
16	0.7	8.6	132
25	0.9	10.4	176
35	0.9	11.8	218
50	1.0	13.8	276
70	1.1	15.6	347
95	1.1	17.7	416

*The number and diameter of conductor strands are for reference only.
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<dc> deepcab Elevator Cable

Features

- Excellent durability and flexibility as travelling cable for elevators.
- Resistant to moisture, abrasion, grease and oil.
- Highly flexibility and low bending radius by using special PVC compound.

Application

- Power transmission in elevators.
- Camera in elevator.
- Communication between controller and elevator cabin.

Construction

- Fine conductor strands of ABC - Annealed Bare Copper.
- Insulation of special PVC based compound.
- Sheathing of special PVC based compound with cores laid parallelly.

Technical Data

 Test Voltage :
2000 V AC

 Rated voltage :
450/700 V

 Core Identification :
1 Core Yellow with green stripe & rest numbered in same colour

Cross Sectional Area of Conductor (Nom.)	No. of Cores	Current Rating (Ampere)
(Sq mm)	(No.)	(Ampere)
0.50	4	7
0.50	12	14
0.50	16	16
0.50	18	18
0.50	24	22
0.75	4	11
0.75	12	20
0.75	16	24
0.75	18	26
0.75	24	30
0.75	30	35

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Elevator CCTV Cable 2+2

- Annealed tinned copper (ATC) conductor
- For digital & analog camera in elevator



<dc> deepcab Elevator CCTV Cable

Features

- **Automated Cutting & Stripping:** Wires are cut to exact lengths with precision stripping, preventing damage to conductors and ensuring clean terminations.
- **Automated Conductor Twisting:** Our machines precisely twist the fine copper strands of the conductor as per specific requirements, consolidating them for improved termination strength and facilitating the soldering process. This capability ensures uniform and reliable wire ends.
- **Automated Soldering:** High-speed, consistent soldering provides robust, reliable electrical connections, eliminating the inconsistencies inherent in manual processes and ensuring optimal conductivity.
- **Integrated Quality Control:** Every processed wire segment and harness component benefits from automated inspection steps, guaranteeing adherence to stringent quality standards and specifications.

Application

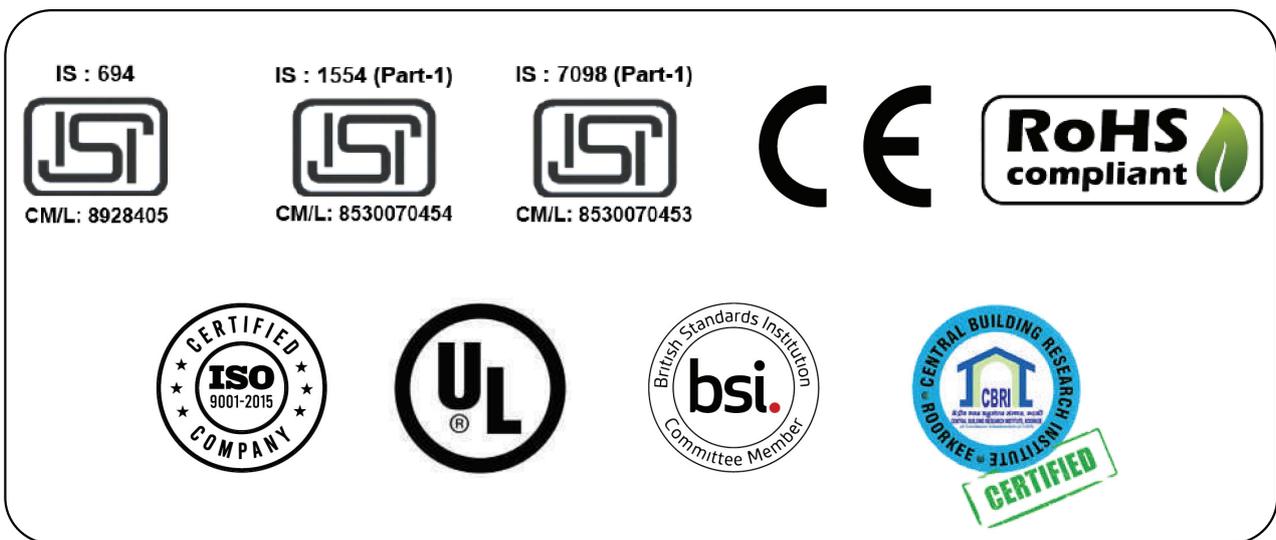
- **Automotive & Electric Vehicles (EVs):** High-reliability internal wiring for vehicle electronics, sensor arrays, infotainment systems, and battery management components.
- **Consumer Electronics:** Precision wiring for internal connections in appliances, computing devices, and audio-visual equipment, ensuring optimal performance and safety.
- **Industrial Automation:** Durable wiring for control panels, robotic systems, and complex sensor/actuator connections where precision and reliability are paramount.
- **LED Lighting:** Consistent and reliable power and signal wiring for individual LED modules and complete lighting fixtures, ensuring long operational life.
- **Telecommunications:** Essential for robust internal wiring within network equipment, communication devices, and data transmission systems.
- **Medical Devices:** Ultra-reliable internal wiring for sensitive diagnostic, monitoring, and therapeutic equipment where failure is not an option.
- **Renewable Energy:** Precise wiring solutions for internal connections within solar inverters, wind turbine components, and energy storage systems.
- **Aerospace & Defense:** Critical internal wiring for sensitive avionics, ground systems, and defense applications demanding the highest standards of reliability.



deepcab[®]

Wires & Cables

Company Certifications



EXPERTS IN CRAFTING CUSTOM CABLES TO MEET YOUR
UNIQUE REQUIREMENTS AND SPECIFICATIONS

Office

Enterprise and Exports

A-125, Corenthum, Noida
Sector-62, Uttar Pradesh
201309, India

+91-9211849058

enquire@elevolt.co

Factory

Government and Contractors

Plot no. A- 38, Jhilmil
Industrial Area,
Delhi-110095, India

+91-9310954882

works@deepcab.com

Commercial Outlet

Commercial and Distributors

190-191, Old Lajpat rai
market Delhi- 110006,
India

+91-9810240200

info@deepcab.com



www.deepcab.com