



Spiral Cables



Wires, Cables & Cords

Spiral Cable

Spiral Cables are generally used where long-term flexibility and long service lives with high quality really matter. They are used in machine and plant engineering, communications, medical technology, automation and robotics, earthing discharge systems, automotive industry and others.

Deltacab is one of India's few leading designers and manufacturers of Spiral Cord. Each piece is crafted considering flexibility and resilience and designed to stand repeated expansion without compromising its performance. The fine gauge copper conductors used for cable extrusion helps in optimum flexibility. Insulation in Spiral Cord vary from product to product, but all our options are highly elastic and durable, either specially formulated PVC, TPE or TPU.

All of our spiral Cords are:



Abrasion Resistant



Chemical Resistant



Oil Resistant



UV Protection

Deltacab Power and Control Spiral Cords

General Characteristics:

- Fine-wire strand made of Bare/Tinned Copper Wires
- Core Insulation: Special PVC / TPE
- Use of Talcum
- Outer Sheath: Special Polyurethane
- Straight ends Length standard 200 mm, Customizable as per requirement.

Benefits

- High Restoring Forces (Extended Lengths depend on the Number of Cores and Cross-Sectional Area Sqmm. Of the Spiral Cable)
- Due to TPU Sheathing, increased durability under harsh conditions
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- All our Spiral Cord Products come with a Nominal Expansion Ratio of 1:3 and Maximum 1:5

Sr No.	Number of Cores	Cross Sectional Area of Conductor (sqmm)	Normal Length : Expandable Length (mm)
1	2C	0.50, 0.75, 1.00, 1.50, 2.50	500:1500, 1000:3000, 1500:4500
2	3C	0.50, 0.75, 1.00, 1.50, 2.50	500:1500, 1000:3000, 1500:4500
3	4C	0.50, 0.75, 1.00, 1.50, 2.50	500:1500, 1000:3000, 1500:4500
4	5C	0.50, 0.75, 1.00, 1.50, 2.50	500:1500, 1000:3000, 1500:4500
5	7C	0.50, 0.75, 1.00	500:1500, 1000:3000, 1500:4500
6	12C	0.50, 0.75, 1.00	500:1500, 1000:3000, 1500:4500
7	18C	0.50, 0.75, 1.00	0.50, 0.75, 1.00

Normal Length, Expandable Length and Open End Lengths and Colour Customizable



Deltacab Earthing and Grounding Spiral Cables

Deltacab Earthing Spiral Cables are used in hazardous areas with Safe-ground earthing clamps designed to provide an effective, low-resistance connection between movable objects and the earth to safely conduct any static electricity. These cables are integrated parts of Static Earthing Systems.

General Characteristics:

- Fine-wire strand made of Bare/Tinned Copper Wires
- Insulation: Special Polyurethane
- Available in Single and Multi-Construction with size options
1.50 sqmm, 2.50 sqmm, 4.00 sqmm, 6.00 sqmm, 10.00 sqmm, 16.00 sqmm
- Standard Colours: Green, Blue, Black

Benefits:

- High Restoring forces
- Suitable for all weather conditions
- Excellent wear and tear resistance
- Excellent resistances to chemicals, oils, greases and solvents
- Optimum Retractability

Application Industry



Oil and Gas



Pharmaceutical Industry



Organics



Earthing Discharge Systems



Automation



Infrastructure

Deltacab Electronics Spiral Cables

Deltacab Electronic Spiral Cables are premium quality, highly durable spiral cables designed for wide range of electronic applications. These cables are engineered for flexibility and resilience, offering reliable conductivity while maintaining shape even after repeated stretching and coiling. We offer integration with various types of connectors for different applications, various types of terminals, moulded solutions, variable lengths, different colours, and numerous grommet fitment options.

General Characteristics:

- Conductor made of fine gauge bare copper / tinned copper wires
- Core Insulation – Based on specially formulated PVC
- Screening – Tinned Copper Braiding
- Outer Sheath – PUR compound
- Available in 2 to 24 cores and with 0.14 sqmm, 0.25 sqmm, 0.35 sqmm, 0.50 sqmm Conductor Cross Sectional Area options.

Benefits:

- Overall Tinned Copper Screening prevents high frequency interference
- Accurate Signal Transmission
- High Restoring forces
- Suitable for all weather conditions
- Excellent wear and tear resistance
- Excellent resistances to chemicals, oils, greases and solvents
- Optimum Retractability
- Abrasion Resistant

Applications



Electronic Appliances



Medical Devices



Rolling Doors



Measurement and Control Engineering



Conveyor and Transport Systems



Handling and Measurement equipment

Apart from above Spiral Cables, we have a wide variety of Spiral Cables with reference to the applications:

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|--|----------------------------------|
| 1. MPG Spiral Cord (used in CNC machines) | 4. EV Charging Spiral Cord |
| 2. Defibrillator Spiral Cord | 5. Home Appliances Spiral Cord |
| 3. Heavy Duty Spiral Cords for Machinery Construction, Power Doors, Equipment Handling, Flexible Power Connections | 6. Telephone Spiral Cord |
| | 7. Telecommunication Spiral Cord |
| | And many more |

For Better understanding of your requirements, we request you to provide below information of the spiral cable requirement:

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|--|---|
| 1. Number of Cores x Cross Sectional Area of Conductors (sqmm) | 5. Cable Dia. (mm) |
| 2. Normal Length (mm) | 6. Copper Shielding (Braiding) required or no |
| 3. Expandable Length (mm) | 7. Colour |
| 4. Open End Lengths (mm) | 8. Quantity |

Choosing Deltacab Spiral Cable is investing in high-performance, reliable and durable spiral cable solutions built to enhance your application, machinery, and product. Our dedication to quality ensures each spiral cable meets the rigorous demands of today's industries, providing flexibility, durability and efficiency you can trust. Deltacab is committed to powering connections that keep your operations running smoothly. Partner with us and experience the strength, reliability, and innovation that define Deltacab Spiral Cables.



Wires, Cables & Cords

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