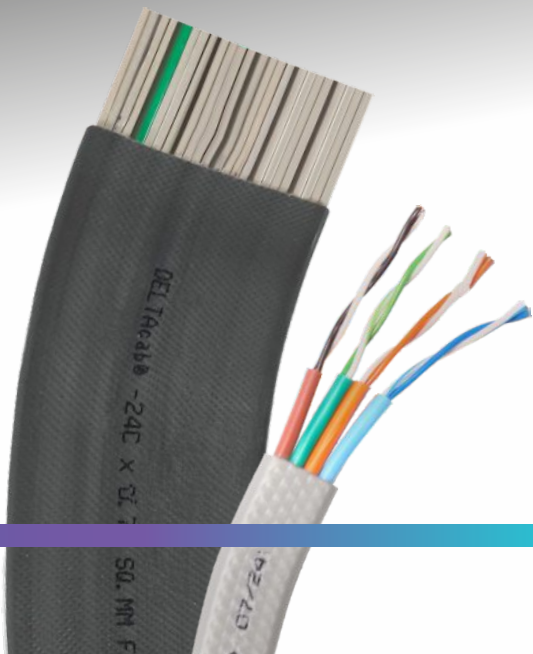




# Flat Travelling Cables



Wires, Cables & Cords

# Flat Travelling Cables

Deltacab is into designing and manufacturing products for the elevator and escalator industry for more than 12 years. Our products have been and are used in high-performance elevators all over India.

As a leading manufacturer, we know the requirements not only in accordance with the standards but also the specific needs of our customers in a particular, in order to be able to give customer benefits the highest priority.

Elevator and control cables connect the control unit to the car and all relevant units such as, for example, car lighting, CCTV cameras, the car lighting, push buttons and safety equipments.

Deltacab Flat Travelling Cables are made up of 99.97% pure electrolytic copper and specially formulated PVC with a blend of Elastomer, for continuous flexing operation.

## Flat Travelling Cables for Elevators and Escalators

- Available in 4 Core to 36 Core
- Available in 0.50 sqmm, 0.75 sqmm, 1.00 sqmm, 1.50 sqmm
- Available with Strain Bearing Members (GI Wire Support)
- Product Range Includes Control Flat Cables, CCTV Flat Cables for IP and Analog Cameras, Serial Communication Composite Flat Cables

## Mechanical Properties

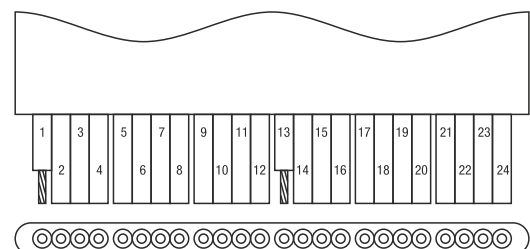
<b>Free Suspension Length</b>	45 Meters (Maximum)
<b>Travelling Height</b>	80 Meters (Maximum)
<b>Running Speed</b>	4 Meters/Second (Maximum)
<b>Acceleration</b>	<0.80 Meters/Second (Maximum)
<b>Operating Temperature:</b>	Mobile Utilization: -5°C ~+70°C Fixed Utilization: -10°C ~+70°C
<b>Bending Radius</b>	Cable Thickness x 10
<b>Recommended Loop Dia.</b>	Cable Thickness D < 5 mm; D x 70 (min.) Cable Thickness D < 5~9 mm; D x 65 (min.) Cable Thickness D > 9 mm; D x 60 (min.) According to table, Tolerance -50 mm, +100 mm
<b>IR Constant at 27°C</b>	36.70 MΩ km
<b>Flame Retardance</b>	IEC 60332-1

## Electrical Properties

<b>Rated Voltage</b>	≤ 1.00 sqmm – 300/500V ≥ 1.50 sqmm – 450/750V
<b>Test Voltage</b>	1.00 sqmm – 2 kV (rms)/15 minutes ≥ 1.50 sqmm – 2.5 kV (rms)/15 minutes

## Construction

<b>Conductor</b>	Flexible Annealed Bare Copper Class 5 with 99.97 % Pure Electrolytic Grade Copper
<b>Insulation</b>	Specially formulated PVC blended with premium elastomers for high flexibility and long life.
<b>Core Identification</b>	White Core with Black Numbering along with Yello/Green Core
<b>Outer Sheath</b>	Specially formulated PVC with blend of Elastomer, for continuous flexing operation, meeting the requirement of ST 5 as per IEC 60227-2 in Light Grey Colour



## Control Flat Travelling Cable Product Range

Sr No.	Number of Cores (sqmm)	Conductor		Approx. Overall Dimensions Height x Width	Max CR at 20°C	Current Carrying Capacity (Amps)
		Area	Construction (In mm)			
1	4	0.5	16/0.20	10.50 X 4.50	39.0	4
2	6	0.5	16/0.20	14.50 X 4.50	39.0	4
3	12	0.5	16/0.20	29.50 X 4.50	39.0	4
4	16	0.5	16/0.20	40.50 X 4.50	39.0	4
5	24	0.5	16/0.20	60.50 X 4.50	39.0	4
6	36	0.5	16/0.20	42.00 X 9.00	39.0	4
7	4	0.75	24/0.20	10.50 X 4.50	26.0	6
8	6	0.75	24/0.20	14.50 X 4.50	26.0	6
9	12	0.75	24/0.20	29.50 X 4.50	26.0	6
10	16	0.75	24/0.20	40.50 X 4.50	26.0	6
11	24	0.75	24/0.20	60.50 X 4.50	26.0	6
12	36	0.75	24/0.20	42.00 X 9.00	26.0	6

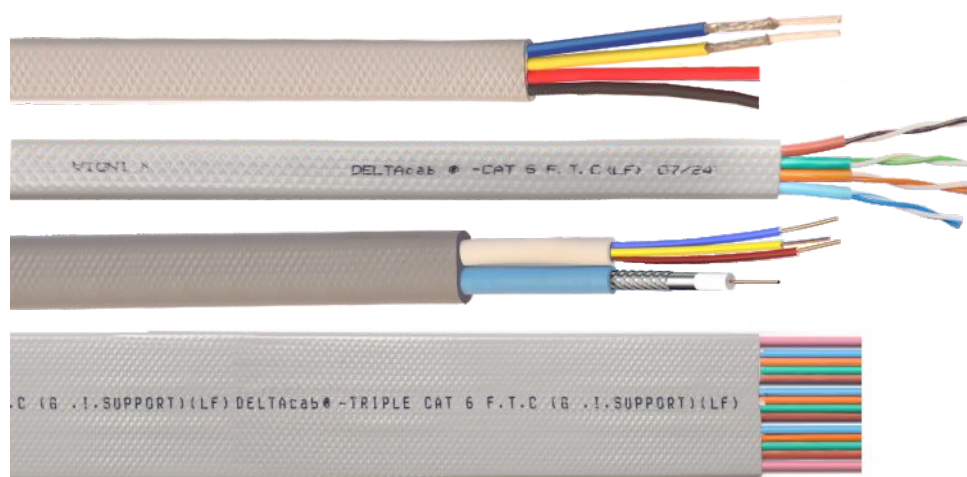
## CCTV Flat Travelling Cables

Deltacab is one of the pioneers in India for CCTV Flat Travelling Cable and we have a wide variety of CCTV Flat cables for Security and Surveillance Systems. These cables are meticulously developed and engineered for high flexibility, durability, for high-definition video signals and keeping in mind ease of installation. Deltacab CCTV flat cables support stable signal transmission for high-resolution video monitoring, making them ideal for applications where safety, consistency, and clarity in surveillance are critical

Deltacab CCTV Flat Traveling Cables are customizable and can come with or without stress bearing members.

### Deltacab CCTV Flat Travelling Cables

Product	Application
Cat 6 Flat Travelling Cable	IP Camera CCTV and Surveillance, Building
Triple Cat 6 Flat Travelling Cable	Automation Systems, Multimedia Transmission,
Cat 6A Flat Travelling Cable (for HD applications)	Intercom and Wifi Accessibility in Elevators
2+2 CCTV Flat Travelling Cable	Analog Camera CCTV and Surveillance, Monitoring Systems, Mobile Surveillance Units
3+1 CCTV Flat Travelling Cable	HD Analog Camera CCTV and Surveillance, Monitoring Systems, Mobile Surveillance Units

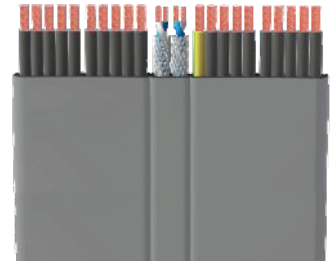


## Data Transmission Flat Travelling Cables (Composite):

Deltacab' Data Transmission Composite Flat Travelling Cables are specially designed to meet the demands of high-speed data, power, and signal transmission in moving applications. These cables combine multiple elements, such as data, video, and power cores, within a single flat cable to ensure reliable, efficient performance in elevators, lifts, and other dynamic environments. With a flexible, durable design, they minimize wear from constant motion while resisting interference to maintain data integrity. Ideal for building automation, CCTV, and multimedia systems, these composite cables support seamless communication and monitoring in modern smart buildings and industrial applications.

### Product Variants:

1. 24C (20C x 0.75 sqmm + 2 x 2C x 0.50 sqmm BCTS Shielded) Flexible PVC Sheathed Flat Travelling Cable
2. 28C (24C x 0.75 sqmm + 2 x 2C x 0.50 sqmm BCTS Shielded) Flexible PVC Sheathed Flat Travelling Cable
3. 10C x 0.75 sqmm + 2 x 2C x 0.50 sqmm Foil Shielded Flexible PVC Sheathed Flat Travelling Cable
4. 10C x 1.00 sqmm + 2 x 2C x 0.50 sqmm Foil Shielded Flexible PVC Sheathed Flat Travelling Cable



Apart from above products, Deltacab is also into manufacturing of special flat cables for air conditioning, intercom systems, etc. in the elevators. Deltacab Flat Travelling Cables are manufactured under stringent quality guidelines and standards. We provide customization in all our Flat Cables since we believe in constant improvements and continuous Research and Development. The 99.97% pure electrolytic grade copper conductors, specially formulated PVC, manufactured and tested as per EN 50214 ensures that entire product range is of superior quality and has excellent life.

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