



Wires, Cables & Cords

Flat Travelling Cables

ELECTRIFYING YOUR FUTURE

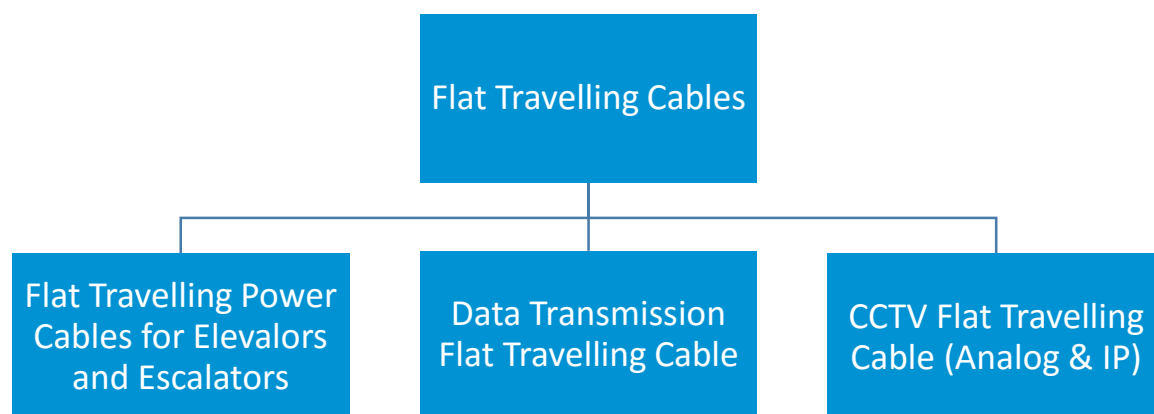


Deltacab is one of the India's largest manufacturer of Flat Travelling Cables with supreme quality, wide product range and PAN India Coverage. Deltacab Flat Travelling Cables are known for high performance, cost effectiveness and rugged construction.

These Flat Travelling Cables are manufactured under stringent quality control supervision by our QA executives as per the international quality guidelines and standards. Each and every lot manufactured is tested in the laboratory and in form of on-line inspection on various parameters such as strength, durability, conductivity, signal loss, ease-of-use etc.

Deltacab believes in constant improvements and hence R&D activities are carried out day to day to enlarge our scope and improve our products suiting best for the customer.

Deltacab also provides composite customized Flat Travelling Cables which can facilitate various applications like, data transfer and power transfer at once. We have also designed cables which have been 1st of its kind in the India market such as CAT 6 Flat Travelling Cable (for IP Cameras), Composite Cables for High-rise Sky scrapers, Analog Camera Cables with GI wire support for numerous applications etc.



Product:

Flat Travelling Cables provide an electric connection between and Elevator / dumbwaiter car and a fixed electrical outlet in the hoist way.

Applications:

Elevator and Escalator Suspension Cables for Internal and Panoramic Elevators

Applicable Standard:

IEC 60227-6, EN 50214

Construction:

CONDUCTOR: Flexible bright annealed bare copper conductor Class 5, manufactured using 99.97 % pure electrolytic grade copper, with more than 100 % conductivity.

INSULATION: Specially Formulated and Developed PVC with Elastomer Blend for continuous Flexing Operation.

CORE IDENTIFICATION: White Insulated Cores printed with Black Numerals & one Y/G for Ground.

GROUPING: Structured Parallel Lay with each group having a rip cord & Steel Rope Strength member on customer's request for high rise application.

OUTERSHEATH: Specially Formulated and Developed PVC with Elastomer Blend for continuous Flexing Operation, meeting the requirement of Type ST 3.

Mechanical Properties:

BENDING RADIUS – Cables Thickness x 10 (Min).

RECOMMENDED LOOP DIAMETER –

- Cable Thickness $t < 5$ mm; $t \times 70$ (min)
- Cable Thickness $t < 5 - 9$ mm; $t \times 65$ (min)
- Cable Thickness $t > 9$ mm; $t \times 60$ (min)
- According to table, tolerance – 50 mm, +100 mm

IR CONSTANT AT 270 – 36.7 M Ω Km

FREE SUSPENSION LENGTH – 45 Meters (Max.)

TRAVELLING HEIGHT – 80 Meters (Max.)

RUNNING SPEED – 4 Meters / Second (Max.)

ACCELERATION - < 0.80 Meters / Second²




OPERATING TEMPERATURE –

MOBILE UTILIZATION - 5 °C to +70 °C

Fixed Utilization - 10 °C to +70 °C

FLAME RETARDANCE – IEC 60332-1

Website: <http://www.deltacab.co.in>

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Electrical Properties:

RATED VOLTAGE –

$\leq 1 \text{ mm}^2$ 300/500 V

$\geq 1.5 \text{ mm}^2$ 450/750 V

TEST VOLTAGE –

$\leq 1 \text{ mm}^2$ – 2 kV (rms) / 15 minutes

$\geq 1.5 \text{ mm}^2$ – 2.5 kV (rms) / 15 minutes

IR Constant at 270 – 36.7 M Ω Km

Sr. No.	No. Of Cores	Conductor		Approx. Overall Dimensions	Max. CR at 20 °C	Current Carrying Capacity
		Area (sq mm)	Construction (Nos. - Size)			
1	4	0.50	16/0.20	11.50 X 4.50	39	4
2	6	0.50	16/0.20	14.00 X 5.00	39	4
3	12	0.50	16/0.20	29.50 X 4.50	39	4
4	16	0.50	16/0.20	39.50 X 4.50	39	4
5	24	0.50	16/0.20	29.50 X 5.50	39	4
6	36	0.50	16/0.20	42.00 X 9.00	39	4
7	4	0.75	24/0.20	11.50 X 4.50	26	6
8	6	0.75	24/0.21	14.00 X 5.00	26	6
9	12	0.75	24/0.22	29.50 X 4.50	26	6
10	16	0.75	24/0.23	39.50 X 4.50	26	6
11	24	0.75	24/0.24	29.50 X 5.50	26	6
12	36	0.75	24/0.25	42.00 X 9.00	26	6