



STEEL CORD FOR CONVEYOR BELT





OUR WORLD

Usha Martin has been associated with manufacturing wire ropes for more than 60 years, focusing on producing superior steel conveyor cords. Recognized for its dedication to excellence and novelty, the brand has emerged as a reliable and preferred partner across various global industries. Usha Martin specializes in premium steel conveyor cords, which are essential to improving conveyor belt performance. These belts which are strengthened with sturdy steel cords, are made to last longer, run faster, and have better shock and rupture resistance. As a result, they are essential in a variety of industries, including power plants, port terminals, coal, cement and mining, guaranteeing maximum performance and safety.

Usha Martin's steel conveyor cords are renowned for their longer service lives, superior strength-to-weight ratio, and outstanding steel-to-rubber bonding. Every cord is meticulously wrapped on reels underneath regulated surroundings to preserve quality and performance.

Modern production facilities, innovative scientific research, and committed personnel reinforce Usha Martin's dedication to quality. The organization maintains strict quality standards compliant with ISO 7623 and EN 12385-2 regulations, guaranteeing that every steel cord passes extensive mechanical, chemical, and physical testing to ensure the best possible quality standards.

Our infrastructural facilities are equipped with the latest state of the art technology and high capacity machines to manufacture world class products and provide uninterrupted services to our customers worldwide through our global network. This network guarantees that complete solutions are constantly available and prepared to provide comprehensive solutions for all your transportation and material handling needs.

By using a customer-focused approach and relentless innovation, Usha Martin keeps improving global industries with high-performance steel conveyor cords. Wherever the challenge, the company's expertise is just a call away, ready to deliver excellence and drive success in operation.

GLOBAL FOOTPRINT



60+ YEARS OF LEADERSHIP



PRESENCE ACROSS
75+
COUNTRIES



06 MANUFACTURING FACILITIES



02 R&D CENTRES



300+
CHANNEL PARTNERS





FEATURES OF CONVEYOR CORD:

- Higher strength-to-weight ratio.
- Prolonged service life.
- High corrosion resistance due to galvanized wire.
- Superior bonding strength with rubber.
- Minimal extension during conveyor belt stress and low elongation.

ADVANTAGES OF CONVEYOR CORD:

- Designed for long-distance and demanding applications.
- Offering high strength to the belt
- Offered in ready-to-fit spools and giant master spools, reducing operational costs and downtime.



EXPORT-QUALITY PREMIUM PACKAGING



Taking the empty plywood/wooden reel.



Wrapping the empty reel with aluminum foil



Stretch Wrapping the reel



Mounting the material onto the reel



Applying another layer of aluminum foil



Wrapping with PE foam foil



Including desiccant bags filled with silica gel.



Wrapping the reel with VCI paper



Stretch wrapping for added protection



Setting the reel on a wooden pallet and covering it with a polyethylene bag.



Stretch wrapping the polyethylene-covered reel.



Fastening with strapping bands

PROPER HANDLING OF STEEL CONVEYOR CORDS:

- Handle steel cords with care during transportation to prevent damage to the outer packaging and exposure to moisture.
- Store the steel cords in controlled conditions.
- Pay attention to the twisting direction of the steel cord during installation to ensure the spool rotates freely, achieving consistent tension.
- When using batches, repack the remaining cords to prevent surface oxidation and ensure proper adhesion with rubber.

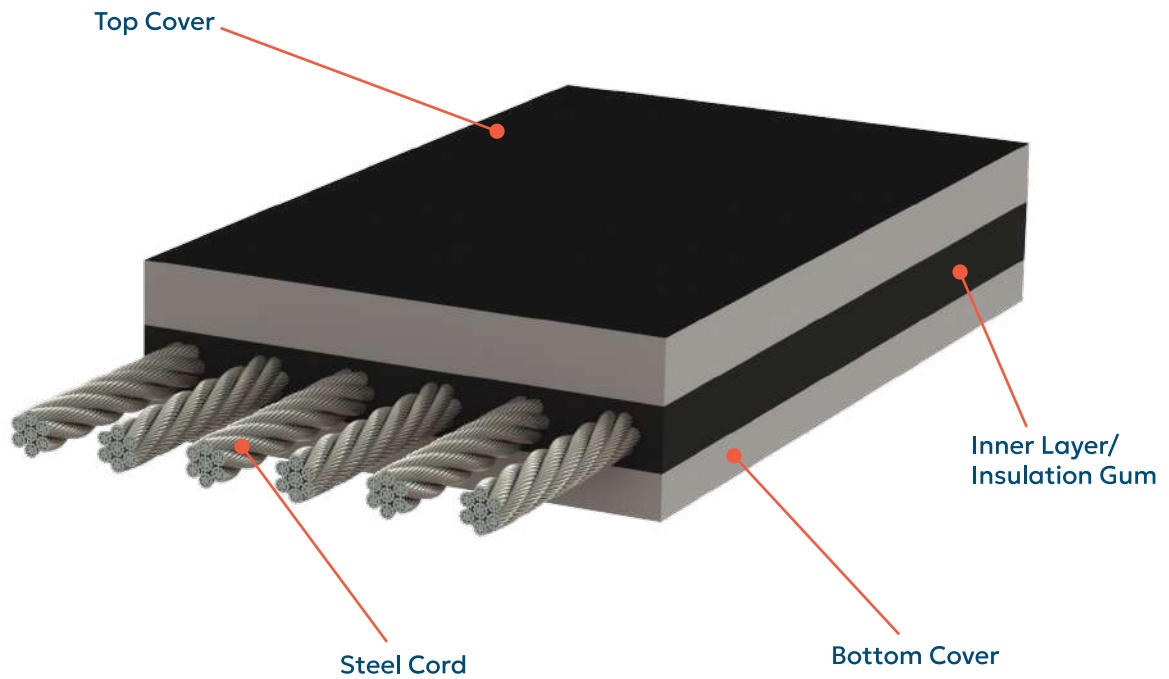


Stretch wrapping on the box



Boxing the packaged reel and applying the sticker

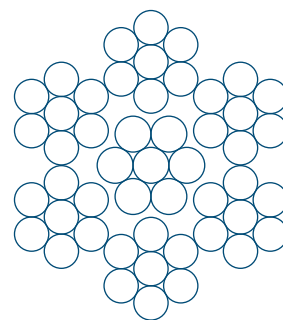
STEEL CORD IN CONVEYOR BELT





CONVEYOR CORD 7X7

Nominal Diameter	Minimum Breaking Strength	Linear Density
mm	kN	g/m
2.80	8.60	31
3.00	9.60	34
3.10	10.6	37
3.20	10.7	40
3.40	12.3	45
3.50	12.8	46
3.60	14.5	50
3.70	14.5	52
3.80	15.0	55
4.00	16.7	64
4.10	17.6	64
4.20	19.2	69
4.30	19.2	70
4.40	19.8	78
4.50	20.8	79
4.60	22.2	81
4.80	24.0	90
5.00	25.2	95
5.10	26.4	98
5.20	26.7	105
5.30	27.7	108
5.40	29.7	111
5.50	29.9	117
5.60	31.5	121

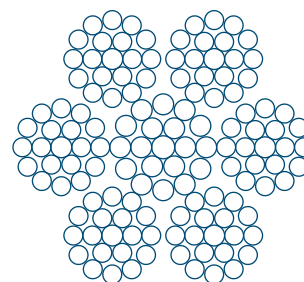


NOTE

Conveyor cord sizes & breaking force not shown in the standard table may be available on request & prior confirmation

CONVEYOR CORD 7X19

Nominal Diameter	Minimum Breaking Strength	Linear Density
mm	kN	g/m
5.60	29.6	114
5.70	30.5	115
5.80	30.5	130
5.90	31.9	131
6.00	33.5	131
6.20	36.7	138
6.40	37.4	147
6.50	42.7	160
6.60	41.5	156
6.80	43.0	169
7.00	46.2	176
7.20	48.3	184
7.40	50.8	197
7.60	53.0	204
7.80	57.7	215
8.00	61.8	240
8.10	57.7	238
8.40	60.8	250
8.60	65.5	272
8.80	72.9	279
9.00	71.2	289
9.20	81.7	316
9.30	79.2	302
9.50	79.2	320
9.60	86.4	330
9.80	82	340
10.80	101	402
12.40	139	562



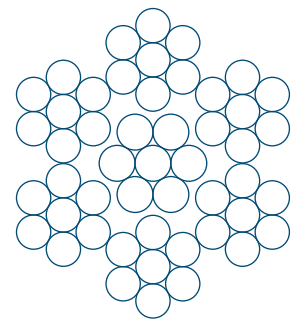
NOTE

Conveyor cord sizes & breaking force not shown in the standard table may be available on request & prior confirmation

DIAMETER-WISE LENGTH & WEIGHT CAPACITY

CONVEYOR CORD 7X7

Nominal Diameter	Ideal Length of Cord Production	Weight / Reel
mm	m	kg
2.80	3000	93
3.00	3000	102
3.10	3000	111
3.20	3000	120
3.40	3000	135
3.50	3000	138
3.60	3000	150
3.70	3000	156
3.80	3000	165
4.00	3000	192
4.10	3000	192
4.20	3000	207
4.30	3000	210
4.40	3000	234
4.50	2700	213
4.80	2500	225
5.00	2345	223
5.10	2300	225
5,20	2300	242
5,30	2190	237
5,40	2170	241
5,50	2050	240

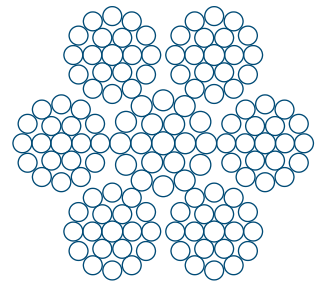


NOTE

Tailor-made lengths for direct payoff can also be provided.

CONVEYOR CORD 7X19

Nominal Diameter	Ideal Length of Cord Production	Weight / Reel
mm	m	kg
5.60	2600	296
5.70	2550	293
5.80	2450	319
6.00	2300	301
6.20	2200	304
6.40	2000	294
6.50	1950	312
6.60	1900	296
6.80	1800	304
7.00	1700	299
7.40	1620	319
7.60	1620	330
7.80	1450	312
8.00	1400	336
8.10	1400	333
8.20	1300	319
8.40	1250	313
8.60	1220	332
8.80	1100	307
9.00	1050	303
9.20	975	308
9.30	960	290
9.50	925	296
9.60	900	297



NOTE

Tailor-made lengths for direct payoff can also be provided.





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