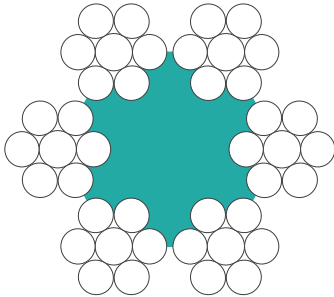


6x7-SFC

# TM7

6 strand ropes from ArcelorMittal ROPES offer superior strength, stretch resistance and resistance to bending fatigue.



**6x7-SFC** is a 6 strand rope with a high breaking load that is designed for teleskis and chairlifts and engineered for high resistance to stretching and bending.

Diameter mm	Section mm <sup>2</sup>	Mass kg/m	Minimum breaking load							
			1570 MPa		1770 MPa		1960 MPa		Max MPa	
			Total	MBL	Total	MBL	Total	MBL	Total	MBL
12	56	0.506	91	80	102	90	115	100	120	105
13	66	0.595	107	94	120	105	135	118	141	123
14	77	0.690	124	109	140	122	156	137	163	143
15	88	0.793	143	125	160	140	180	157	187	164
16	100	0.903	163	142	183	160	204	179	213	187
17	113	1.020	184	161	206	180	231	202	241	211
18	127	1.144	206	180	231	202	259	227	270	236
19	142	1.275	229	201	258	226	289	252	301	263
20	157	1.413	254	223	286	250	320	280	334	292
21	173	1.558	280	245	315	276	353	309	368	322
22	190	1.710	308	269	346	303	387	339	404	354
23	208	1.869	337	294	378	331	423	370	442	386
24	226	2.036	366	321	412	360	461	403	481	421
25	245	2.209	398	348	447	391	500	438	522	457
26	266	2.390	430	376	483	423	541	473	565	494
27	286	2.577	464	406	521	456	583	510	609	533
28	308	2.772	499	437	561	491	627	549	655	573
29	330	2.974	535	468	601	526	673	589	703	615
30	354	3.183	573	501	644	563	720	630	752	658
31	378	3.399	612	535	687	601	769	673	803	703
32	402	3.622	652	570	732	641	820	717	856	749

Approximate values

**Please note:** Other diameters with other tolerances than those illustrated can be manufactured on request.

**QUALITY**

ArcelorMittal ROPES operates an internal DNV-Certified Quality Assurance System which complies with the requirements of ISO 9001.

Our production plant in Bourg-en-Bresse is certified OHSAS 18001 for safety management.

Please contact us for a full list of our international standards.

## Applications











Teleski



Chairlift

## TM7 wire rope properties

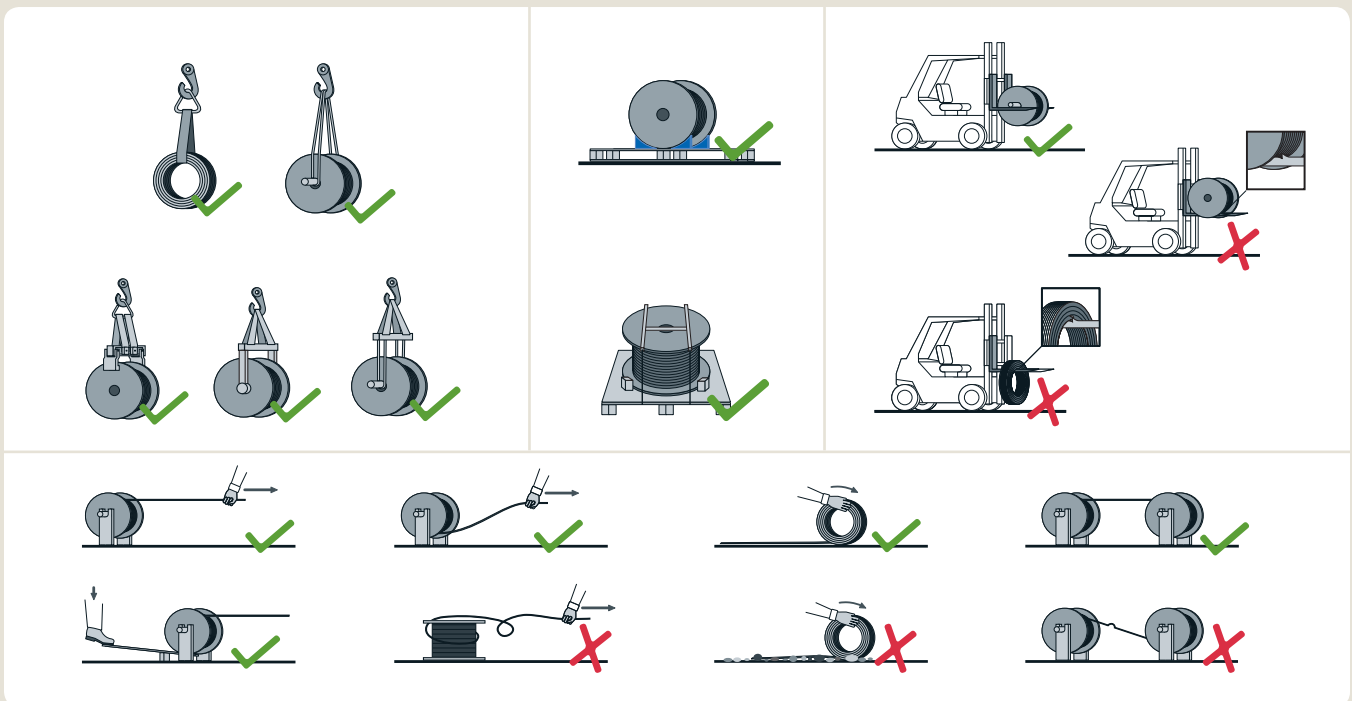
							
<b>Lubrication</b>	<b>High Breaking Resistance</b>	<b>Bending Fatigue Resistance</b>	<b>Stretch Resistance</b>	<b>Corzal® Wire Coating</b>	<b>Bright Wire</b>	<b>Galvanised Wire Coating</b>	<b>Lang Lay Rope</b>
Extends the life and increases rope performance.	Ropes featuring a high breaking force.	Ropes designed to cope with bending repeatedly under stress.	Thermoplastic sealing of inner core reducing friction.	Corzal® is an eutectic alloy of 95% zinc and 5% aluminium that resists corrosion up to 3 times longer than a pure zinc coating.	Drawn steel, pickled and phosphated and suitable for non corrosive environments.	Zinc coating suitable for corrosive environments.	Increased wear resistance and flexibility.

## Storage and maintenance

The rope must be adequately maintained and regularly lubricated, as often as it is necessary, but at least when the rope works in extreme conditions and before/after prolonged inactivity. The lubricant must be compatible with the original grease. Before re-lubrication, the wire rope must be dry and cleaned by scraping. Cleaning by cloth, cryogenic spray, high pressure cleaner and solvents are forbidden.

When stored, the rope should be kept in a dry and ventilated environment with no direct contact with the floor and an air flow under the reel. Visual inspection is necessary before the use of a stored wire rope. In case of doubt of the quality of the wire rope, we can help you to find and make additional inspection analysis.

## EWRIS handling recommendations



At all times, contact of the rope with any metallic pieces should be avoided to prevent early damage.



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## High performance **Ropeway Ropes** for the most demanding environments

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**ArcelorMittal ROPES**  
 ENGINEERING EXCELLENCE