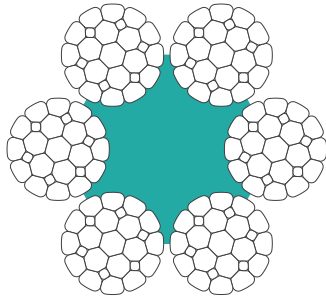


6xK25F-SPC

# FWR25 compacted

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



**6xK25F-SPC** is a 6 strand compacted rope with an exceptionally high breaking load that is designed for chairlifts, funitels, gondolas, passenger and material cable cars and tramways. FWR25 Compacted is a lang lay rope that is engineered for high resistance to abrasion, stretching, bending and crushing.

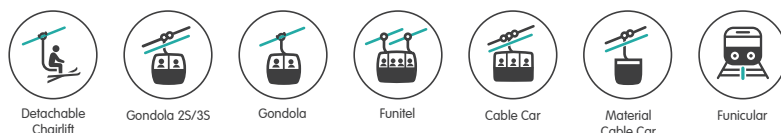
Diameter mm	Section mm <sup>2</sup>	Mass kg/m	Minimum breaking load							
			1570 MPa		1770 MPa		1960 MPa		Max MPa	
			Total	MBL	Total	MBL	Total	MBL	Total	MBL
30	427	3.737	692	595	777	668	870	748	920	791
31	456	3.986	738	635	829	713	928	798	981	844
32	485	4.243	786	676	883	759	988	850	1045	898
33	515	4.508	835	718	938	807	1050	903	1110	955
34	547	4.781	886	762	995	856	1114	958	1177	1013
35	579	5.063	938	806	1054	906	1179	1014	1247	1072
36	612	5.353	991	853	1114	958	1247	1072	1318	1134
37	646	5.651	1047	900	1176	1011	1316	1132	1392	1197
38	681	5.957	1103	949	1240	1066	1387	1193	1467	1262
39	717	6.271	1162	999	1305	1122	1461	1256	1545	1328
40	754	6.593	1221	1050	1372	1180	1536	1321	1624	1397
40.5	773	6.758	1252	1077	1406	1210	1574	1354	1664	1431
41	792	6.924	1283	1103	1441	1239	1613	1387	1705	1467
42	831	7.263	1346	1157	1512	1300	1692	1455	1789	1538
42.5	850	7.435	1378	1185	1548	1331	1732	1490	1831	1575
43	870	7.609	1410	1212	1584	1362	1773	1525	1874	1612
44	911	7.965	1476	1269	1658	1426	1856	1596	1962	1687
45	952	8.328	1543	1327	1733	1491	1940	1669	2051	1764
46	995	8.699	1612	1386	1811	1557	2027	1743	2143	1843
47	1038	9.079	1682	1447	1890	1625	2115	1819	2236	1923
48	1083	9.466	1754	1508	1971	1695	2206	1897	2332	2005
49	1128	9.862	1827	1572	2053	1766	2298	1976	2429	2089
50	1174	10.266	1902	1636	2137	1838	2392	2057	2529	2175
50.5	1198	10.471	1940	1669	2180	1875	2440	2098	2580	2218
51	1221	10.678	1979	1702	2223	1912	2488	2140	2631	2262
52	1270	11.099	2057	1769	2311	1987	2586	2224	2734	2351
53	1319	11.527	2136	1837	2400	2064	2686	2310	2840	2442
54	1369	11.964	2217	1907	2491	2142	2788	2397	2947	2535
55	1419	12.409	2300	1978	2583	2222	2891	2487	3057	2629
56	1471	12.862	2384	2050	2678	2303	2997	2577	3169	2725
57	1524	13.323	2469	2123	2774	2385	3105	2670	3282	2823
58	1578	13.792	2556	2198	2872	2470	3214	2764	3398	2922

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



## FWR25 compacted wire rope properties

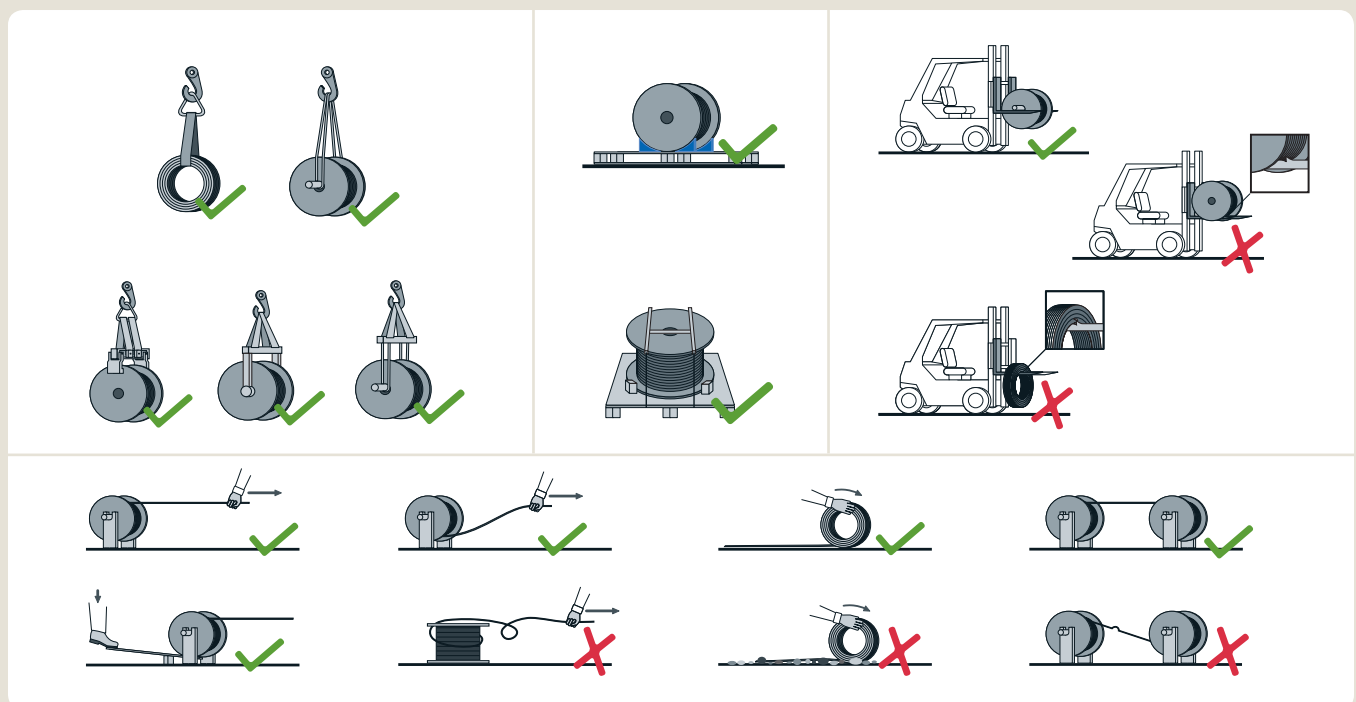
									
<b>Lubrication</b>	<b>Compaction</b>	<b>High Breaking Resistance</b>	<b>Resistance to Crushing</b>	<b>Bending Fatigue Resistance</b>	<b>Stretch Resistance</b>	<b>Corzal® Wire Coating</b>	<b>Bright Wire</b>	<b>Galvanised Wire Coating</b>	<b>Lang Lay Rope</b>
Extends the life and increases rope performance.	Smoother outer surface with increased strength and reduced wear.	Ropes featuring a high breaking force.	Ropes designed to withstand or resist external forces.	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.



**EWRIS**  
European Federation of Steel Wire Rope Industries



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## High performance Ropeway Ropes for the most demanding environments

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**ArcelorMittal ROPES**  
ENGINEERING EXCELLENCE