

ArcelorMittal **ROPES**

ENGINEERING EXCELLENCE



ArcelorMittal

Outstanding levels of **performance**



ROPEWAY
ROPES



ArcelorMittal **ROPES**

ENGINEERING EXCELLENCE

Productivity depends on efficiencies

Recognised worldwide for its fatigue resistant products, ArcelorMittal ROPES - part of the ArcelorMittal Group, manufactures some of the most technologically advanced steel ropes in the world.

ArcelorMittal ROPES offers much more than high quality, competitively priced steel wire ropes. Our purpose is to work with our customers to fulfil their technical requirements, quickly, safely and efficiently.

"Our vertically integrated business model enables us to efficiently track and trace the origins of the materials we use, improving quality controls and reducing costs"

Morten Breddam
Business Line Manager, ArcelorMittal ROPES



NEW LEVELS OF PERFORMANCE

Research and development are the cornerstone of sustainable development and innovation. Our worldwide network of over 1400 full time researchers, operating from 13 research centres around the world, enables ArcelorMittal ROPES to push forward the limits of steel wire rope technology.

Whisper[®]

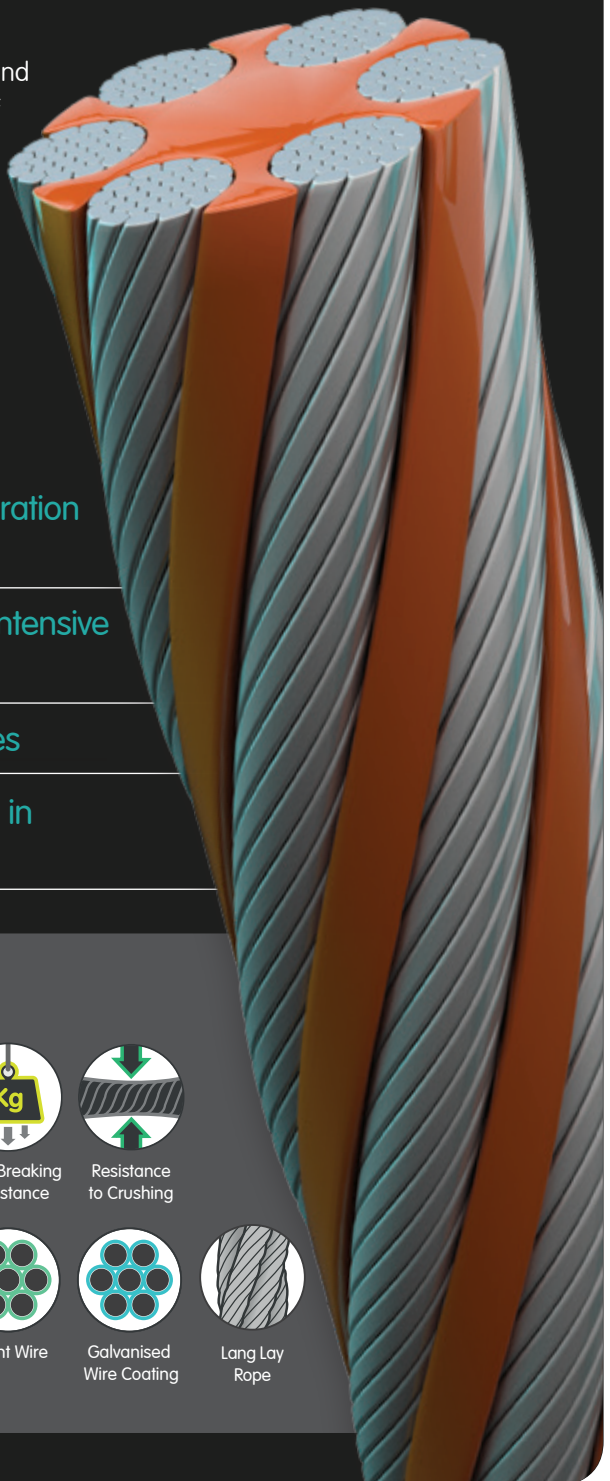


the silent rope

Whisper[®] is a new breed of ropeway rope that reduces vibration and noise levels, optimising passenger comfort and delivering long term efficiencies.

The solid monofilament core with fins offers greater integrity and longer lasting stability.

Engineered for the urban and mountain transportation of passengers, Whisper[®] ensures an evenly distributed interface between the outer circumference of the Whisper[®] rope and the operating equipment.



80% reduction in vibration and noise levels

Recommended for intensive operation 24/7

Long term efficiencies

Significant reduction in maintenance costs

Properties



Lubrication



Compaction



High Breaking Resistance



Resistance to Crushing



Bending Fatigue Resistance



Corzal[®] Wire Coating



Bright Wire



Galvanised Wire Coating



Lang Lay Rope

Our **Ropeway Ropes** are engineered to maximise operational performance and enhance productivity.

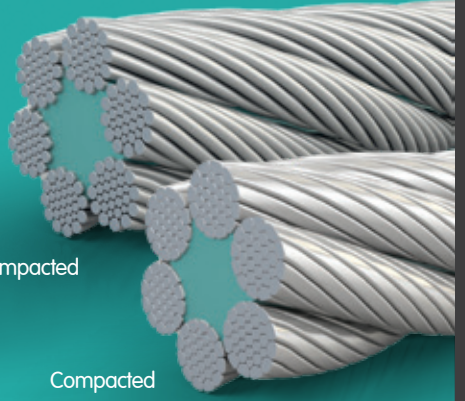
6 Strand Ropes

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

Compacted strands around a central solid plastic core deliver outstanding levels of resistance against crushing and abrasion.

Non compacted

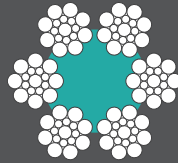
Compacted



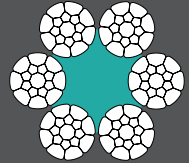
TM7
6x7-SFC



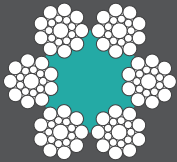
TMR7
6xK7-SFC



SL17
6x17S-SPC



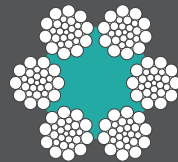
SLR17
6xK17S-SPC



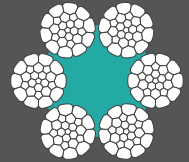
SL19
6x19S-SPC



SLR19
6xK19S-SPC



WS26
6x26WS-SPC



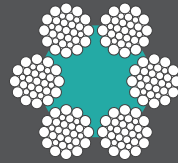
WSR26
6xK26WS-SPC



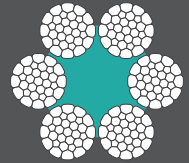
FW25
6x25F-SPC



FWR25
6xK25F-SPC



WS31
6x31WS-SPC



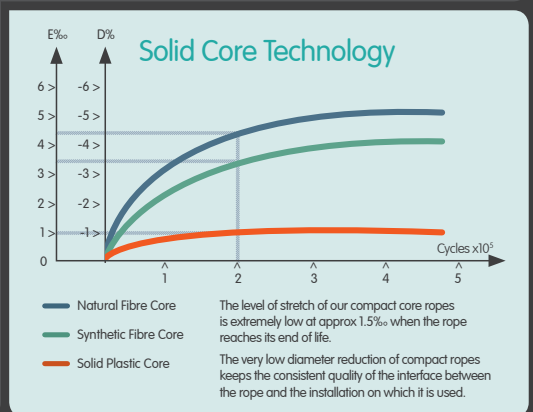
WSR31
6xK31WS-SPC



WS36
6x36WS-SPC



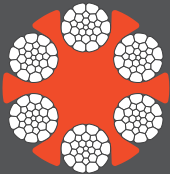
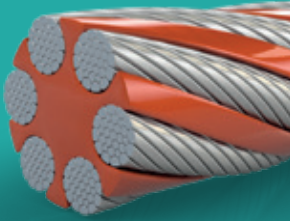
WSR36
6xK36WS-SPC



Whisper®

A new breed of ropeway rope that reduces vibration and noise levels, optimising passenger comfort

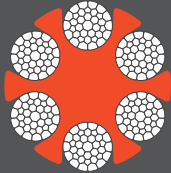
The outer circumference of Whisper® offers a smooth interface between the rope and sheaves, clamps and rollers.



Whisper
6x26WSR



Whisper
6x31WSR

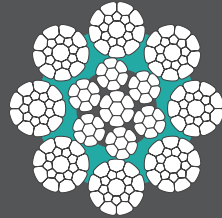


Whisper
6x36WSR

HP8P

8 outer strands,
plastic impregnation

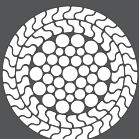
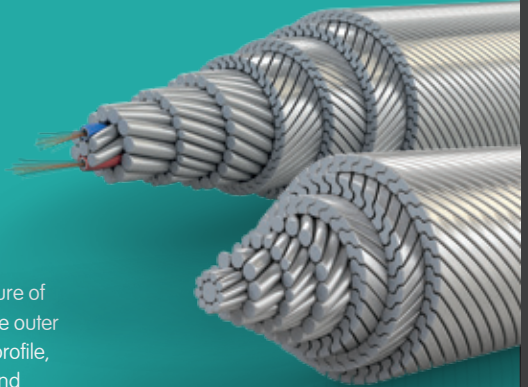
Our ropes for slope groomers offer high flexibility and performance. HP8P ropes have a high breaking load and their construction allows them to resist the highest pressures on the winch, perfect for intensive use and long life performance.



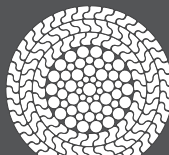
Full Lock Coil

ArcelorMittal ROPES has developed a Full Lock Coil (FLC) track rope specifically for the highly demanding applications of aerial and passenger transportation

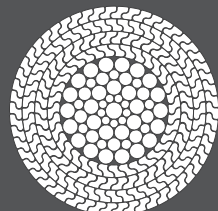
The compacted and densely concentrated metallic structure of the FLC track rope guarantees a higher breaking load. The outer interlocking "Z" shaped layers give the rope a smoother profile, reducing fatigue caused by the interface between rope and sheaves, rollers and clamps.



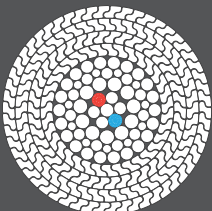
FLC 2Z



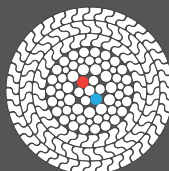
FLC 3Z



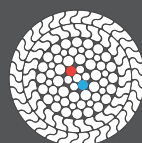
FLC 4Z



FLC 4Z-FO












FLC 3Z-FO



FLC 2Z-FO

Select the high performance Ropeway Ropes that are right for your applications.

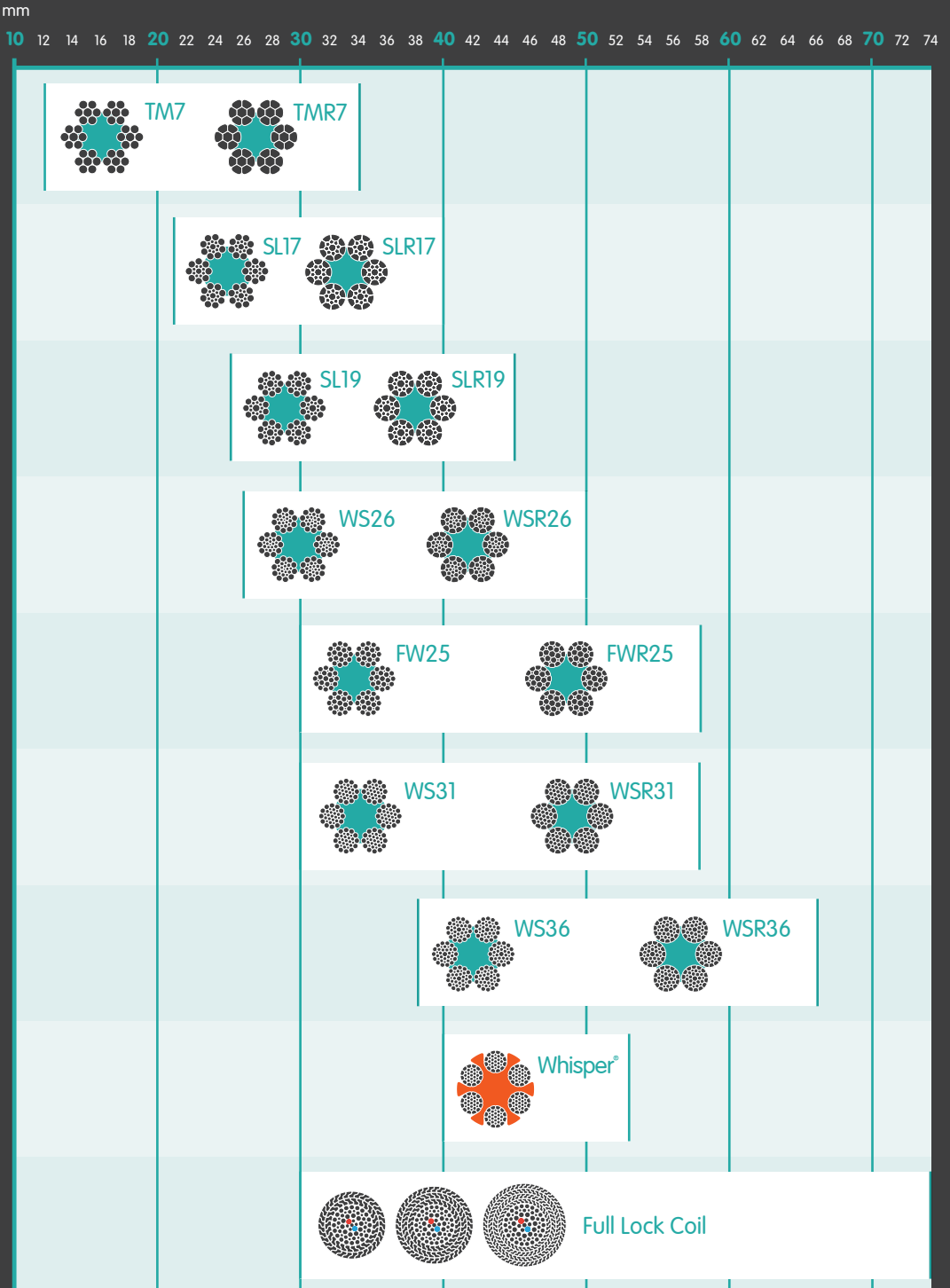
Different ropeway applications require a rope that will meet the exceptionally demanding requirements for safety, reliability, passenger comfort, longevity and, of course, value for money.

	6 Strand Ropes	6 Strand Compacted Ropes	Whisper®	Full Lock Coil Ropes	Full Lock Coil Ropes with Fibre Optic
 Teleski	●	●			
 Chairlift	●	✘	✘		
 Detachable Chairlift	●	●	●		
 Gondola	●	●	●		
 Funitel	✘	●	●		
 Gondola 2S/3S	●	●	●	●	●
 Cable Car	●	●	●	●	●
 Material Cable Car	●	●		●	●
 Funicular	●	●	●	✘	✘

KEY: ● HAULING ROPE ● TRACK ROPE ✘ HAULING OPTION

The ArcelorMittal Ropeway Ropes team are experts in their field, producing many thousands of kilometres of premium quality steel rope each year and providing technical advice to their worldwide customer base.

Use our 'at a glance' guide to select the correct ropes for your applications and ensure that you maximise safety and operational performance.



Two of our many success stories

Vallandry, France

Whisper® is installed at La Plagne and Les Arcs ski resort stations and has been in operation since 2016. The internationally renowned French ski resort consists of two alpine skiing villages attracting many thousands of visitors each year. The Vallandry area is served by a network of ski lifts, chairlifts and various passenger ropeways.

Structured around a solid monofilament core with fins, Whisper® delivers reduced vibration and reduced noise levels. Whisper® improves passenger comfort and long term efficiencies and is recommended for urban and mountain use on intensive use equipment that operates 24/7.



Penfeld in Brest, France

The Brest Urban Cable Car is the first cable propelled transit technology to be used in France. It is helping to expand the city centre by unifying the left and right banks, balancing economic and residential activity in the city.

ArcelorMittal ROPES installed 2510m of 50mm galvanised Full Lock Coil track rope with integrated Fibre Optics, and 1960m of 25mm Corzal® 6 strand hauling ropes in 2 spliced loops.



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