

A Badge of Reality for Absolute Security



MANUFACTURING



ABOUT US

Tata Steel, a part of the Tata Group, is one without boundaries-growing, changing and challenging, a world that embraces different skills, continuous innovation, sustainable growth and a better quality of life.

We believe in continuously upgrading ourselves and are known for bringing distinct product solutions and technologies to India. Tata Steel Global Wires India proudly introduced PE coated PC Strand to the Indian Infrastructure sector, which was restricted till date due to non-availability of strands.

Catering to various industries across Agriculture and Allied, Fencing, Infrastructure, Automotive, and Power, TSGW India is also well-established across markets like Europe, USA, Middle East Asia, Australia, South Asia and, Far East Asia.



QUALITY



STRENGTH



PRESENCE

FENCING

BARBED WIRE

GI Barbed Wires are manufactured in a state-of-the-art facility using 'HOT DIP' technology to ensure durability and long-lasting resistance to corrosion. The stringent properties like uniform thickness, quality control, anti-corrosiveness and above all, strength and durability complements the sterling status of Barbed Wire.

INDIAN STANDARD: IS 278

REMARKS:

We can make only type a barb. Also for barbs the standard mentions medium Zn coating, which we do not provide. We use **50 g/m² Zn** coating for both line wire and barb. This coating is not as per **IS 4826**.



INDIAN STANDARD: IS 2721

REMARKS:

We do not provide Zn coating as per **IS 4826**, as specified in **IS 2721**.

CHAIN LINK

Tata Wiron's Chainlink is security personified. Characterized by superior strength and longevity, Chainlink is a complete value-for-money product, and best choice for aesthetic looks.

WELDED MESH

The tailor-made Welded Wire Mesh panels excel both in stability and durability. Their high quality is ensured by the premium material and a careful processing that uses industry leading production techniques.

INDIAN STANDARD: IS 4948

REMARKS:

Up to wire size **4.5 mm**.
Coating not as per **IS 280**.



KNOTTED FENCE

Aiming to deliver strength in every knot, Tata Wiron's Knotted Fence is a first of its kind in the country. It comes with special cross-lock knots which keep the fence sturdy during animal attacks.

Manufactured using high-tensile galvanized wires, Tata Wiron's Knotted Fences provide greater impact resistance and flexibility.

ANTI-CUT & ANTI-CLIMB

Custom designed and processed with advanced production techniques using premium materials, Anti-Cut and Anti-Climb Wires are produced in Single Wire (3D) as well as Double Wire (2D). It is the most cost-effective product for all corporate and institutional fencing needs. This fence is vandal & tamper-proof and can not be cut or climbed upon owing to its construction and design.



CONCERTINA

Also known as Razor wire or Razor Blade wire, Concertina comes in the form of large coils which have blades at equidistant spaces across length. It is considered as the best choice for high security purposes. Concertina wire, according to different shapes, can be divided into single coil, crossed and double coils. Due to lethal effects, this product is recommended only for industrial sites where heavy security is necessary.

REMARKS:

We are not making HC galvanised wires- heavy coated required for line wire (similar to ACSR)

ELECTRIC FENCE

An Electric Fence is a barrier that uses electric shocks to deter animals and people from crossing a boundary. Although most Electric Fences are used today for agricultural fencing and other forms of animal control, they are frequently used to enhance the security of sensitive areas, such as military installations, prisons, and other security sensitive places, where lethal voltages are used.



SMART FENCE

Smart Fencing uses a number of devices for surveillance, communication and data storage. Ranging from thermal imaging and smart sensors to underground sensors, radars, sonars and alarms, Smart Fences are modern ways of providing round-the-clock surveillance in different weather conditions like rain, fog, or dust storm.

BARBED WIRE + CHAIN LINK

Tata Wiron's Chainlink and GI Barbed Wires when combined, form a unique combination of the superior strength, longevity, and security of Chainlink complemented by the uniform thickness, quality control, and anti-corrosiveness of GI Barbed Wire, ensuring complete security, durability, and long-lasting resistance to corrosion.



BARBED WIRE + ANTI-CUT & ANTI-CLIMB

GI Barbed Wires combined with Anti-Cut and Anti-Climb Wires ensure a complete and most cost-effective product for all corporate and institutional fencing needs.

In addition to being strong, durable and corrosion-free, it is vandal-proof and tamper-proof and cannot be cut or climbed upon. It is custom designed using premium materials and offers added layers of protection.

BARBED WIRE + KNOTTED FENCE

Knotted Fence combined with GI Barbed Wires ensures complete resistance and flexibility, owing to its high-tensile galvanized wires. With superior strength in every knot, it comes with special cross-lock knots which keep the fence sturdy during rough the weather conditions and animal attacks. GI Barbed Wires are manufactured using 'HOT DIP' technology to ensure durability and long-lasting resistance to corrosion.



BARBED WIRE + ELECTRIC FENCE

Although the Combination of Barbed Wires and Electric Fences is mostly used today for agricultural fencing and other forms of animal control, they are frequently used to enhance the security of sensitive areas, such as military installations, prisons, and other security sensitive places where high voltages are used.

CONCERTINA + ANTI-CUT / ANTI-CLIMB

Concertina combined with Anti-Cut and Anti-Climb Wires ensures a full-proof solution to the high security needs. In addition to being intrusion-proof, the combination is vandal and tamper-proof and cannot be cut or climbed upon. It is custom designed using premium materials and offers added layers of protection.



SMART FENCE + CONCERTINA

Sensors like thermal imager, underground sensors, fiber optical sensors, radar and sonar will be mounted in different platforms like aerostat, towers and poles as a part of Smart Fence. The feed received from these will help the owner take immediate action against any intrusion or infiltration attempt. Concertina will delay the process of intrusion and give enough time for authorities to take action against it.

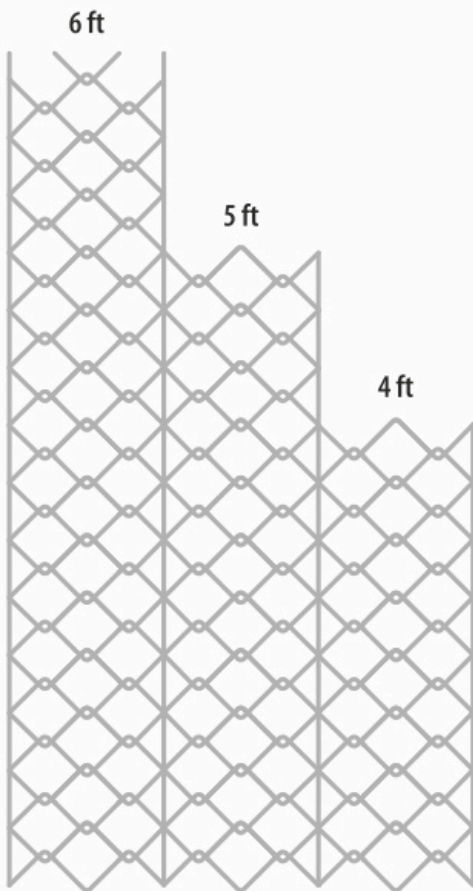
PRODUCT SKUs

BARBED WIRE



Size
 2 x 2 mm
 2.5 x 2.5 mm
 2.5 x 2 mm
Weight: 26 kg

CHAINLINK



Size
 2 in x 2 in, 4 ft 3 in x 3 in, 4 ft 4 in x 4 in, 4 ft
 2 in x 2 in, 5 ft 3 in x 3 in, 5 ft 4 in x 4 in, 5 ft
 2 in x 2 in, 6 ft 3 in x 3 in, 6 ft 4 in x 4 in, 6 ft
Length: 100 ft

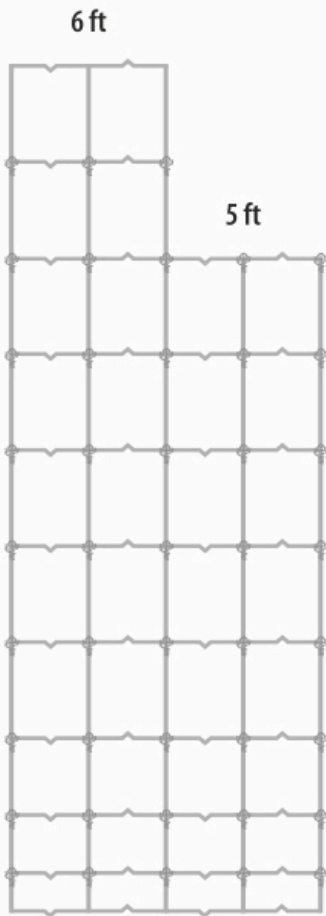
2.64 mm
 2 in x 2 in, 4 ft 3 in x 3 in, 4 ft 4 in x 4 in, 4 ft
 2 in x 2 in, 5 ft 3 in x 3 in, 5 ft 4 in x 4 in, 5 ft
 2 in x 2 in, 6 ft 3 in x 3 in, 6 ft 4 in x 4 in, 6 ft

3 mm
 2 in x 2 in, 4 ft 3 in x 3 in, 4 ft 4 in x 4 in, 4 ft
 2 in x 2 in, 5 ft 3 in x 3 in, 5 ft 4 in x 4 in, 5 ft
 2 in x 2 in, 6 ft 3 in x 3 in, 6 ft 4 in x 4 in, 6 ft

Length: 50 ft

*Customizable from 5 ft. to 10 ft. on order

KNOTTED FENCE



Size
 15/5/6
 17/6/6
Length: 100 ft



Top Wrap



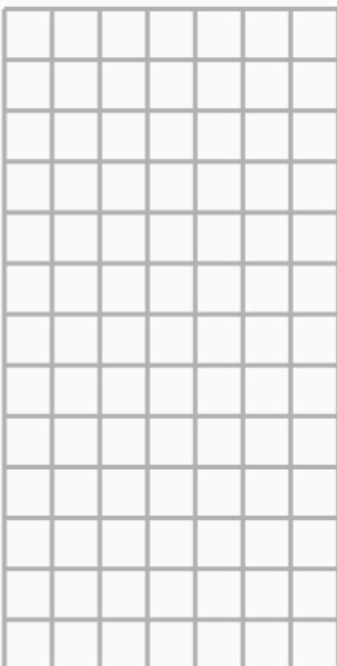
Tension Crimp



End Wrap

*Height can be customized upto 10 ft.

WELDED MESH



Size

1 in x 1 in, 2 mm	2 in x 2 in, 2 mm	3 in x 3 in, 2 mm	4 in x 4 in, 2 mm
1 in x 1 in, 2.5 mm	2 in x 2 in, 2.5 mm	3 in x 3 in, 2.5 mm	4 in x 4 in, 2.5 mm
1 in x 1 in, 3 mm	2 in x 2 in, 3 mm	3 in x 3 in, 3 mm	4 in x 4 in, 3 mm
1 in x 1 in, 4 mm	2 in x 2 in, 4 mm	3 in x 3 in, 4 mm	4 in x 4 in, 4 mm

Length: 100 ft

RECOMMENDED APPLICATIONS

	Border Fencing	Industrial Fencing	Highway Fencing	Railways/ Airport	Institutions	Housing
• Barbed Wire	⊖	✓	⊖	✓	✓	✓
• Chainlink	⊖	✓	✓	✓	✓	✓
• Welded Mesh	⊖	⊖	✓	✓	✓	✓
• Knotted Fence	⊖	✓	✓	✓	✓	⊖
• AC/AC	✓	✓	✓	✓	✓	✓
• Concertina	✓	✓	⊖	✓	⊖	⊖
• Electrical Fencing	✓	✓	⊖	⊖	✓	⊖
• Smart Fencing	✓	✓	⊖	✓	✓	✓
• B/W + Chainlink	⊖	✓	⊖	✓	✓	✓
• B/W + KF	⊖	✓	✓	✓	✓	⊖
• B/W + AC/AC	✓	✓	✓	✓	✓	✓
• B/W + Electric Fence	✓	✓	⊖	⊖	✓	⊖
• Concertina + AC/AC	✓	✓	⊖	✓	✓	⊖
• Smart Fence + Concertina	✓	✓	⊖	⊖	⊖	⊖

PRODUCT COMPARISON

Product	Security	Cost of Installation	Ease of Installation
• Barbed Wire			
• Chainlink			
• Welded Mesh			
• Knotted Fence			
• AC/AC			
• Concertina			
• Electrical Fencing			
• Smart Fencing			
• B/W + Chainlink			
• B/W + KF			
• B/W + AC/AC			
• B/W + Electric Fence			
• Concertina + AC/AC			
• Smart Fence + Concertina			





All Tata Steel Global Wires India units of operation adhere to strict quality parameters and are ISO and IATF certified. Our dedicated team of technicians, engineers and other personnel ensure stringent quality parameters in products and processes through a committed system of evaluation and control.

Tata Steel Global Wires India is ISO 9001:2015 and IATF 16949:2016 Certified.