



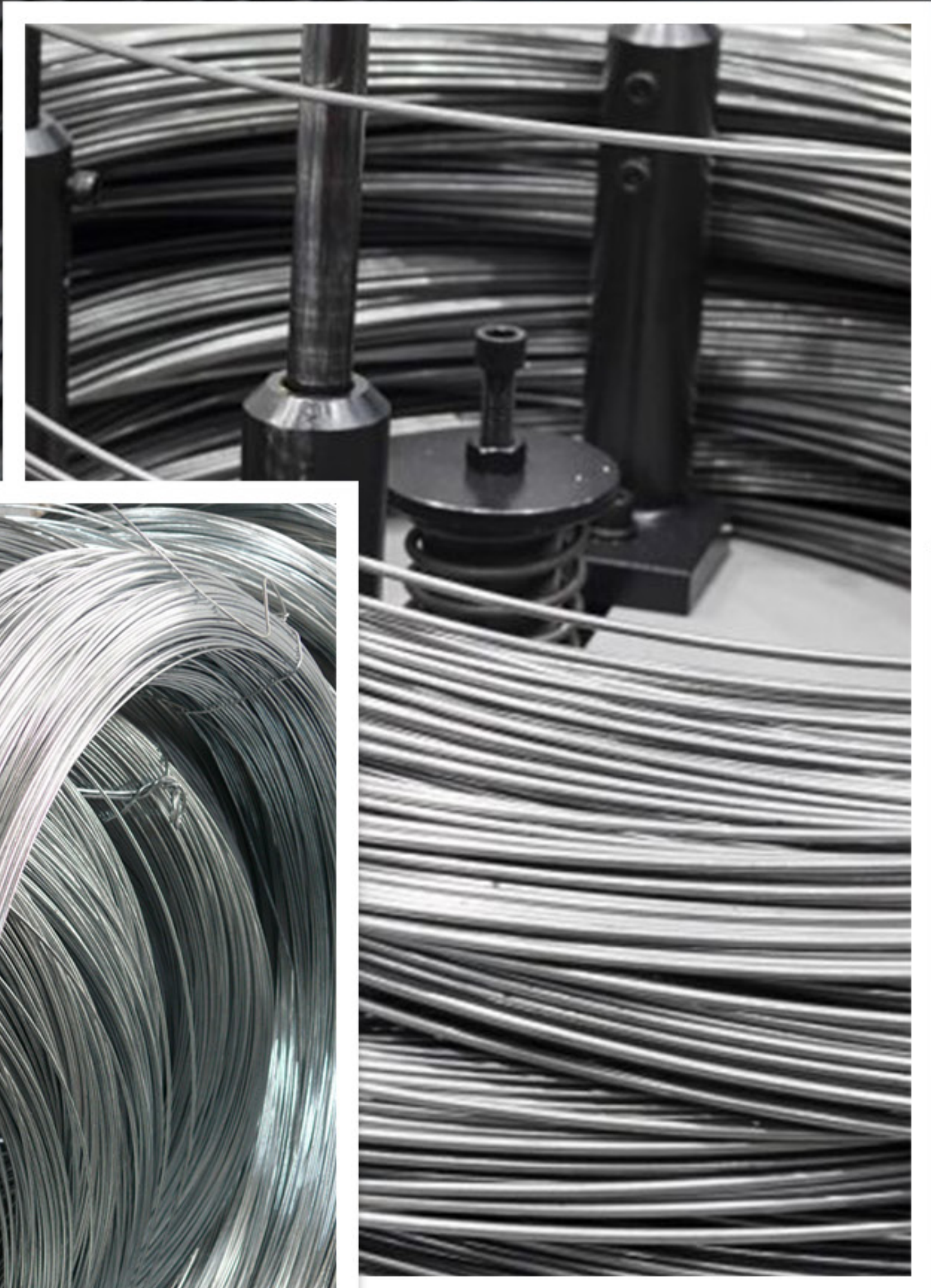
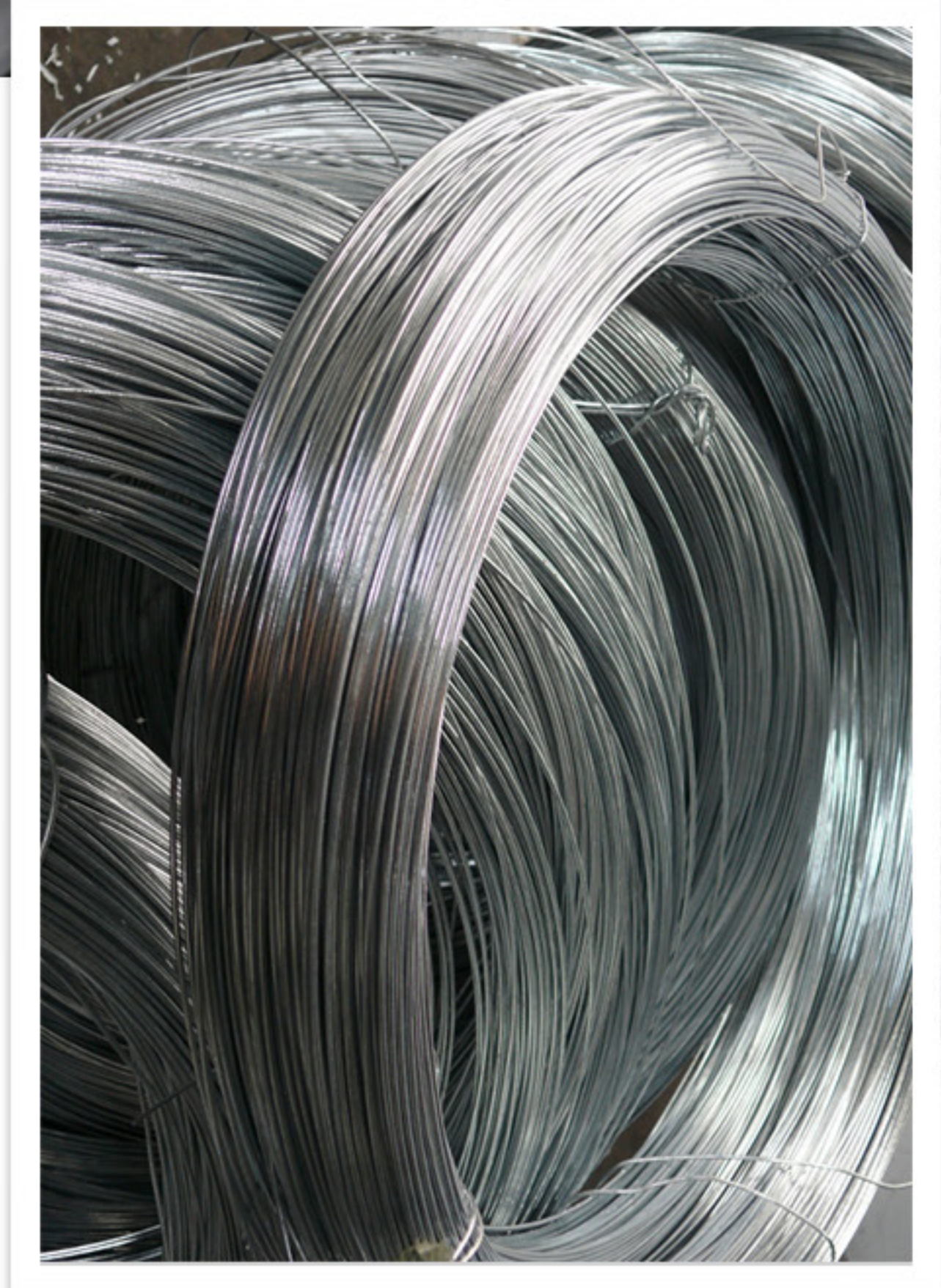
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STEEL WIRES AND MESHES

Steel Wires

Steel wires are considered one of the most important materials used in a wide range of industrial and construction applications.

- ✔ These wires are characterized by their strength and durability, making them an ideal choice for use in many different industries.
- ✔ Steel wires are typically made from stainless steel or carbon steel.
- ✔ The wires are available in a variety of sizes and diameters, allowing them to meet the needs of different applications.
- ✔ The wires can be in the form of coils or straight wires depending on the specific application requirements.



Advantages of galvanized wire:

Galvanized wire is a common and effective choice for applications requiring high corrosion resistance and excellent mechanical strength.



Corrosion resistance

The protective zinc layer provides effective protection against corrosion and rust, making it ideal for use in humid environments or those prone to corrosion.



Strength and durability

Zinc maintains the strength and durability of the steel wire, making it suitable for applications that require high mechanical strength.



Versatile applications

It is used in industry and agriculture for installing fences, barbed wire, and other parts exposed to harsh weather conditions.

Key Uses of Steel Wires

Construction Industries:

1

Steel wires are used to reinforce structural frameworks such as bridges, towers, residential, and commercial buildings.

Industrial Industries:

2

They are used in industries such as automotive and aerospace to provide the necessary strength and support (for manufacturing parts like bolts and pipes).

Electronics Industries:

3

They are used in the manufacturing of electronic devices for electrical wires and connections.

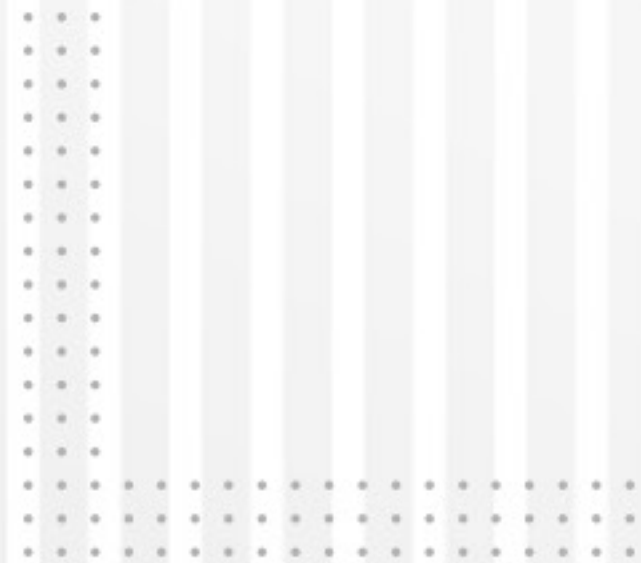
Agriculture and Gardening:

4

Steel wires are used in agriculture and gardening to support trees and plants, as well as for building sturdy fences and gates.

1. Hot-Dip Galvanized Wire

Hot-dip galvanized wire is a type of steel wire that is coated with zinc using the hot-dip process. The steel wire is immersed in a bath of hot zinc at a high temperature, resulting in the formation of a zinc layer on the surface of the wire.

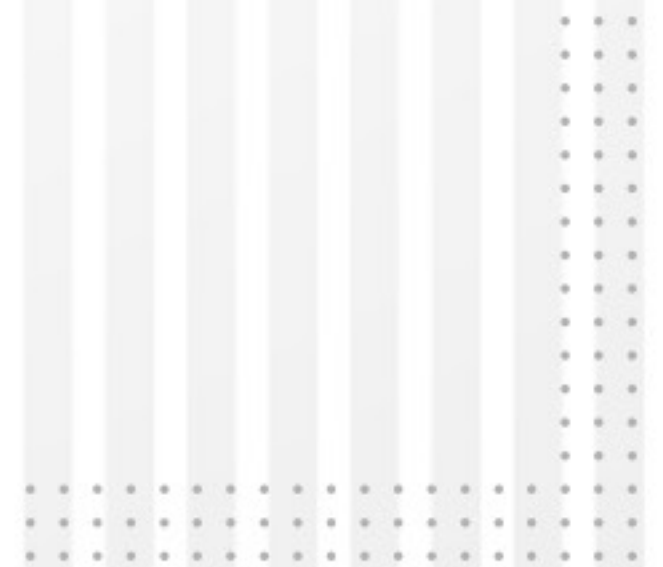


2. PVC coated wires

These are steel wires coated with a layer of PVC (Polyvinyl Chloride) material.



PVC coating is applied to provide additional protection and enhance resistance to corrosion and various environmental factors. These wires come in a variety of colors, sizes, and shapes to suit different application needs.





3. Coiled wire

Coiled wire is a type of steel wire typically made from flexible steel or stainless steel. It is wound into coils or spools, making it easy to store, transport, and use in a variety of applications.



4. Black steel wires

Black steel wires are steel wires manufactured without any additional galvanization or coating. They are characterized by their natural black color resulting from the manufacturing process and are usually lightly coated with a thin layer of oil to protect against corrosion during storage and transport.



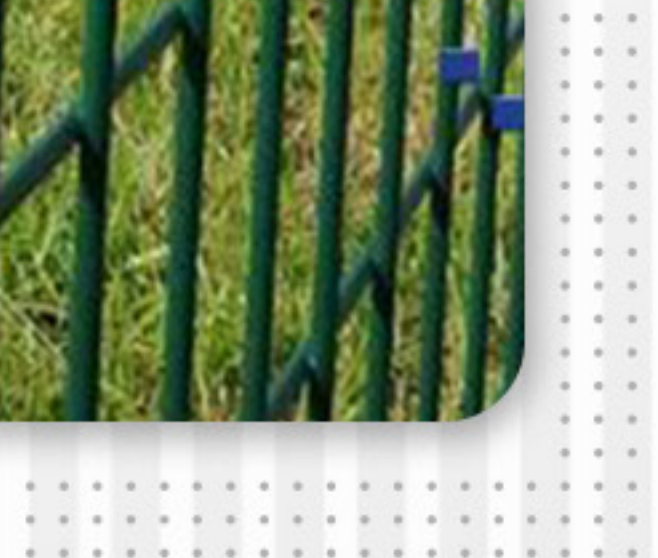


Types OF Steel wire mesh

1. Wire mesh

Wire mesh is a type of galvanized steel wire formed into a grid-like structure. It is manufactured by welding or bending steel wires together to create a strong and durable mesh.

Wire mesh is commonly used in constructing fences and barriers to provide security, protection, and various other applications.



2. Welded galvanized wire mesh

Welded galvanized wire mesh is used in the construction of fences and barriers to provide protection and security for properties, homes, commercial, and industrial establishments. It is a versatile product known for its strength, durability, and resistance to corrosion, making it a popular choice in construction, agriculture, industry, and many other fields.





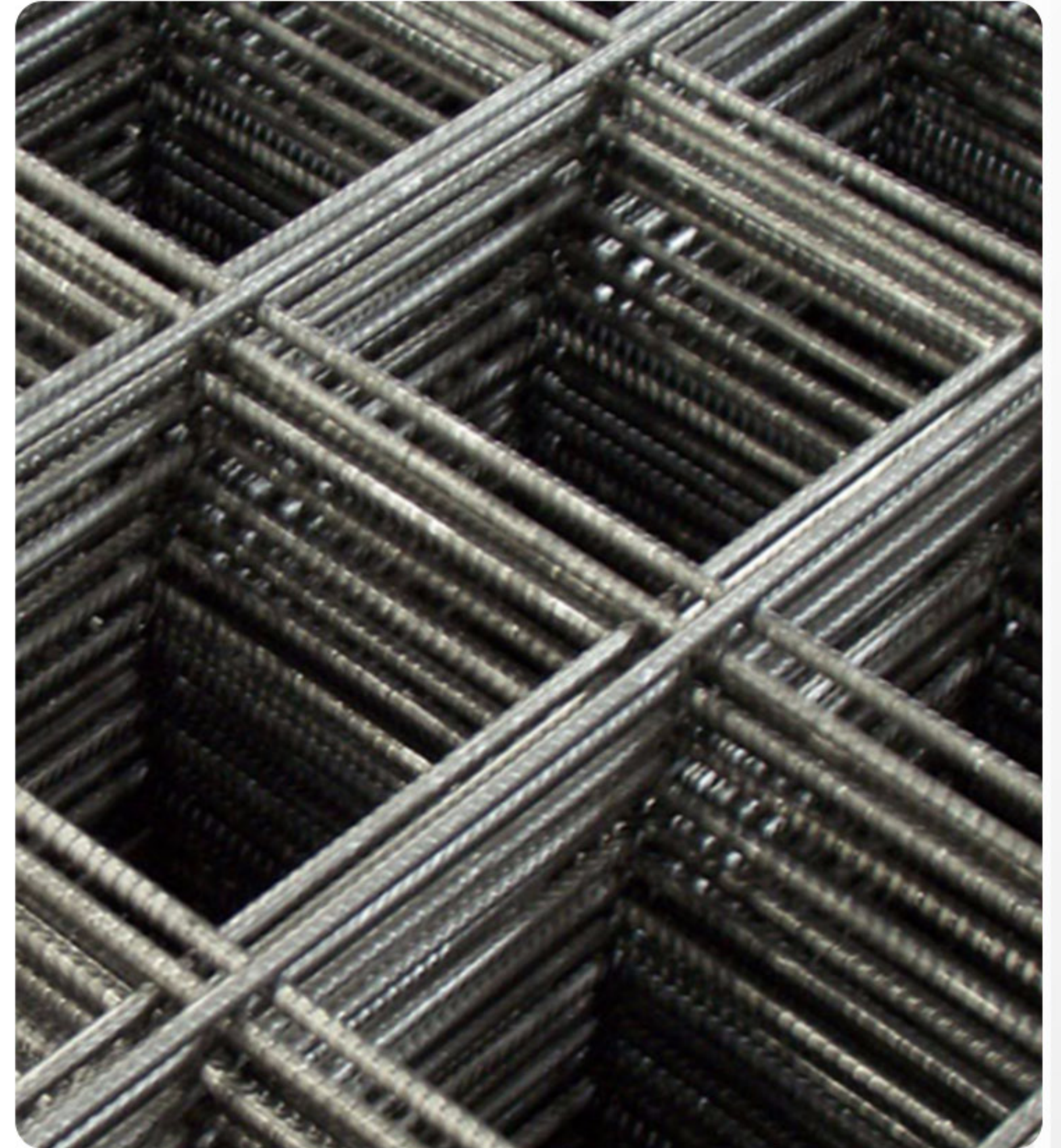
3. Black welded wire mesh

Black welded wire mesh differs from galvanized wire mesh in that it is manufactured from steel wires that are not coated with a layer of zinc, allowing it to retain the natural black color of the steel.

Black welded wire mesh is a popular choice in decorative designs, gardens, and light industrial applications where it provides strength, durability, and an elegant aesthetic appearance.

4. Steel reinforcement bars

Steel reinforcement bars are used as raw material in reinforced concrete for floors, shear walls, foundations, and false ceilings, in addition to various other industries such as roads, airport runways, and racetracks.





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