Wire Cloth Terminology

All applications, virtually all metals

Bolting Cloth
Stainless steel mesh woven in plain weave construction using small wire diameter, thus providing a high percentage open area.

Calendered Wire Cloth
Wire cloth that has passed through a pair of heavy rolls to reduce the thickness of the fabric, or to flatten the intersections to provide a smooth surface.

Clear Opening (space)
Space between adjacent parallel wires.

Count (mesh)
Number of openings in a linear inch.

Crimp
Corrugations in wires to permit locking them in place when perpendicular to one another.

Double Crimp
Warp and shute wires lay in each crimp.

Double Intermediate Crimp
Usually the warp wires lay in every crimp in the shute wires, and the shute wires lay in every other crimp in the warp wires.

Fill wires (shute wires)
Wires running across the width of the cloth as a woven.

Gauge (wire size)
To avoid possible errors, specify wire diameter in Decimal sizes rather than gauge numbers.

Intermediate crimp
Warp and shute wires lay in every other crimp.

Market grades
Most commonly used sizes of industrial wire cloth Specifications selected for general purpose work.

Mesh
Number of openings in a linear inch measured from the center of one wire to a point 1" distant.

Opening (space)
Clear opening between adjacent parallel wires; not affected by diameter of the wire.

Plain weave
Each warp wire and each shute wire pass over one and under the next adjacent wire; wires are cramped in the weaving operation.

Plain dutch weave
Warp wires are generally larger than the shute wires. Shute wires are closely spaced to provide a dense weave with wedge shaped openings.

Selvage
Finished edges running the length of the roll to Prevent unraveling.

Shute wires
Wires running across the width of the cloth as woven.

Square mesh
Wire cloth with mesh count the same in both directions.

Twilled weave
Each warp wire and each shute wire pass successively over two and under the next adjacent pair of wires.

Twilled dutch weave
Combination of plain dutch and twilled weaves.

Warp wire
Wires running the length of the cloth as woven.

Welded wire cloth
Warp and shute wires lay flat (no crimp), Welded at the intersections.
Gerard Daniel Worldwide has custom weaving capabilities in its US and European operations. High speed, state of the art precision looms are dedicated to industrial wire cloth production, so we can provide the response you require for any size order. From large quantities or a very specialized product, Gerard Daniel Worldwide can manufacture to your specifications.

**Weaving Capabilities:**
Brodest possible range of processing operations.
- Short runs of specialty meshes and alloys
- Quick turn times.
- Prototyping and production capabilities.
- Weaving widths up to 126” wide.

**Crimping Capabilities:**
Brodest possible range of processing operations.
- Double Crimp
- Intermediate Crimp
- Double Intermediate Crimp

**PVC Coated Wire Mesh**
PVC Coated Wire Mesh is used for Machine Guarding and Automation Guarding applications. The thick coating of PVC makes it easy to handle and aesthetically pleasing.

- 0.105” Diameter Electro-Galvanized Wire
- 0.150” Diameter After PVC Coating