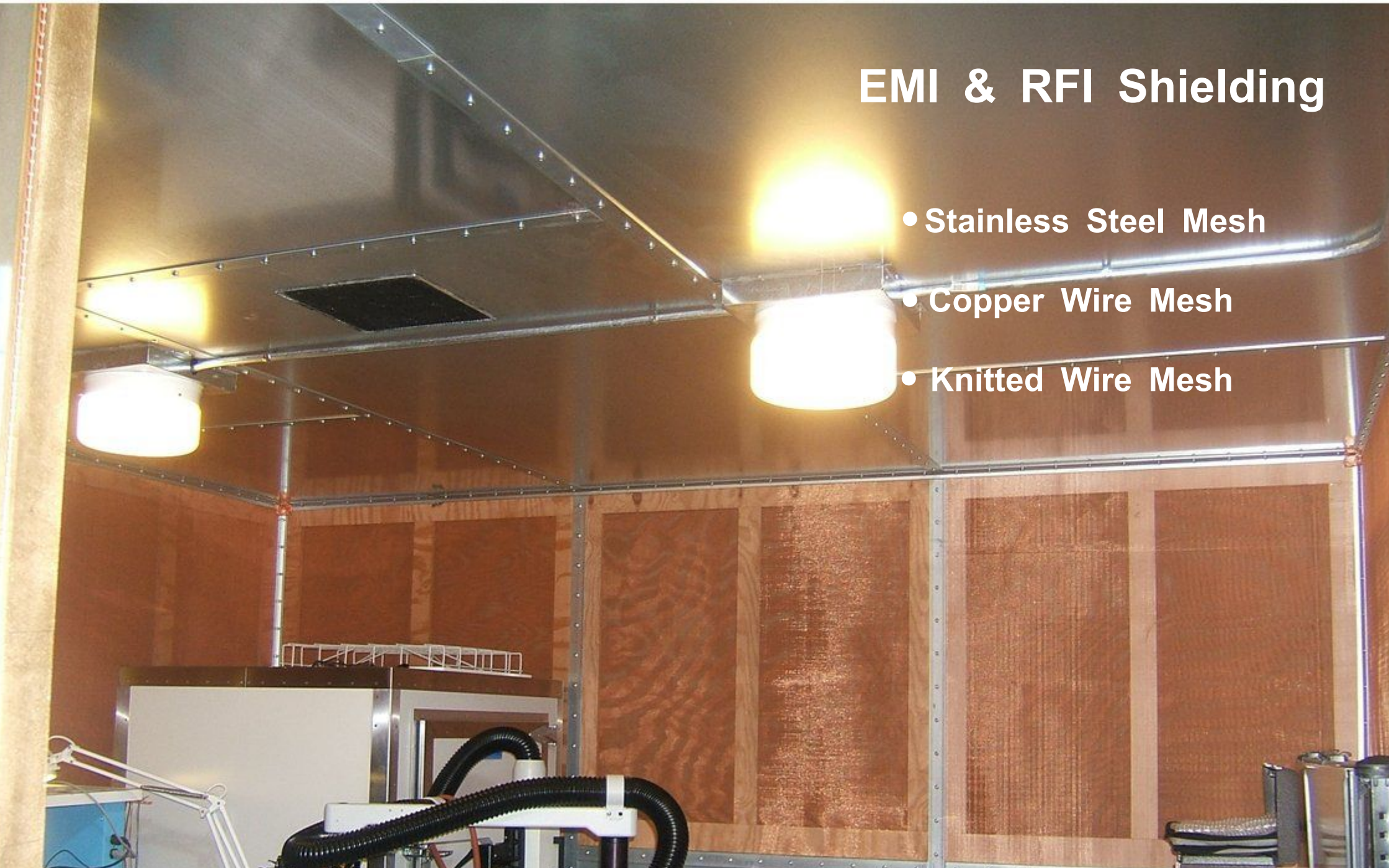




EMI & RFI Shielding

- Stainless Steel Mesh
- Copper Wire Mesh
- Knitted Wire Mesh

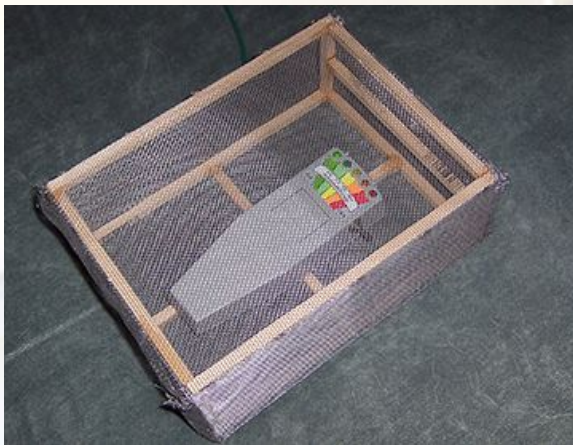




Stainless Steel Mesh

Whether in the electronics industry, architecture, aerospace, or automotive, electromagnetic shielding is an problem of increasing significance. The stainless steel wire mesh will provide high frequency shielding performance.

Stainless steel mesh combines high light transmission with high EMI shielding. Lower mesh counts and thinner wire diameters allow for more light transmission. Higher mesh counts and thicker wire diameters give better EMI attenuation.



Size & Configurations

- Mesh typically range from 16mesh to 200mesh
- Wire diameter from 0.05mm to 0.28mm
- Roll size include 1m*30m, 1.2m*30m, 1.5m*30m and 2.0m*30m

Material

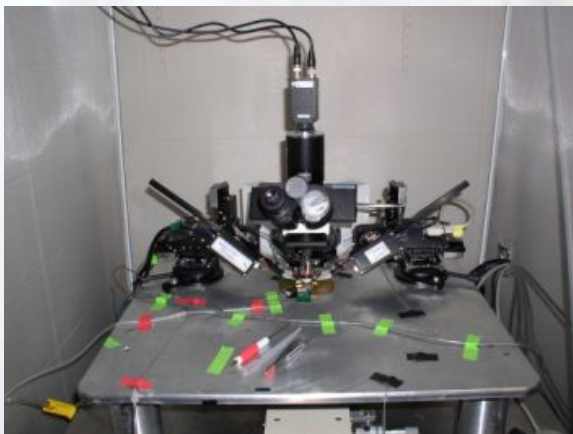
- Stainless steel

Feature

- High resolution and very transparent,
- High tensile strength and extremely breathable
- Corrosion resistant and high temperature resistant
- Bendable and very good uniformity.

Applications

- Faraday cages
- EMI & RFI shielding
- Shielded rooms
- Tempest shielding
- Shielding satellite antennas from terrestrial interference
- Display shielding





Copper Wire Mesh

Copper wire mesh combine excellent shielding effectiveness with optical performance, making them ideally suited for protecting key equipment from “Radio Frequency Interference”(RFI) or “Electromagnetic Interference”(EMI).

Size & Configurations

- Mesh typically range from 16mesh to 120mesh
- Wire diameter from 0.08mm to 0.27mm
- Roll size include 1m*30m and 1.2m*30m

Material

- Pure Copper
- Brass Copper
- Phosphor Bronze

Feature

- Highly transparent and conductive
- Extremely delicate with fine wires with large openings
- Shields from electromagnetic interference and electrostatic fields
- Protect sensitive setups and electronic equipment

Applications

- Military applications
- Rugged computers, tactical radios, sensors
- Communication systems
- Medical displays
- Aircraft Shielding
- Heavy equipment, shipboard electronic systems
- Test and measurement equipment





Knitted Wire Mesh

Because it is constructed out of knitted wire mesh, shielding tape is flexible and durable. Formed in a continuous, flattened tube, knitted wire mesh's interlocking loop construction allows for flexibility without deformation or loss of mechanical and electrical contact. Because it is made entirely out of metal, knitted wire mesh shielding tape is resistant to temperature extremes, oil and solvents.

Size & Configurations

- Wire diameter typically range from 0.10mm to 0.30mm
- Roll width from 10mm to 1600mm
- Roll length from 10m to 100m

Material

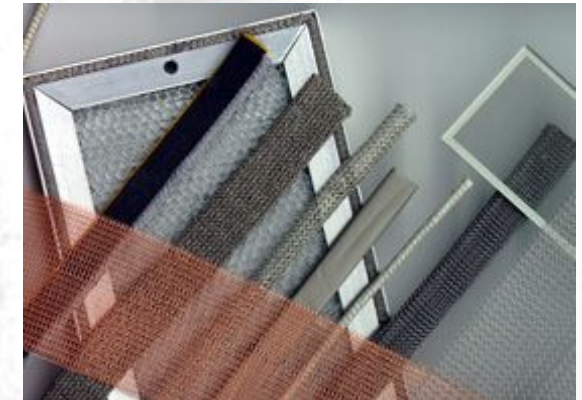
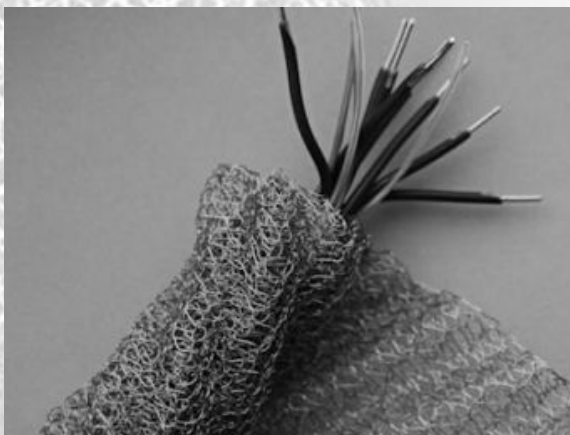
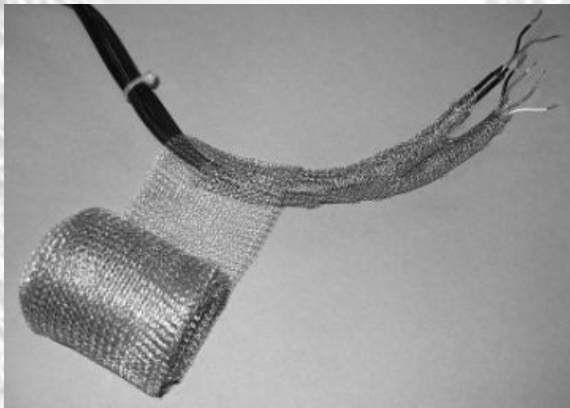
- Stainless steel
- Copper
- Nickel
- Monel

Feature

- Freedom of design
- Individual structure
- Flexibility in terms of assembly
- Corrosion resistance

Applications

- Gaskets
- Cable wrapping
- Elastomer cored mesh



Woven & Knitted Wire Products

for EMI & RFI Shielding



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