

SHIELD WRAP™ Knitted Wire Mesh Tape

SHIELD WRAP Knitted Wire Mesh Shielding Tape

SHIELD WRAP wire mesh EMI/EMP shielding tape is produced as a two-ply flattened cylinder of varying widths, loop spacings, wire sizes and metals.

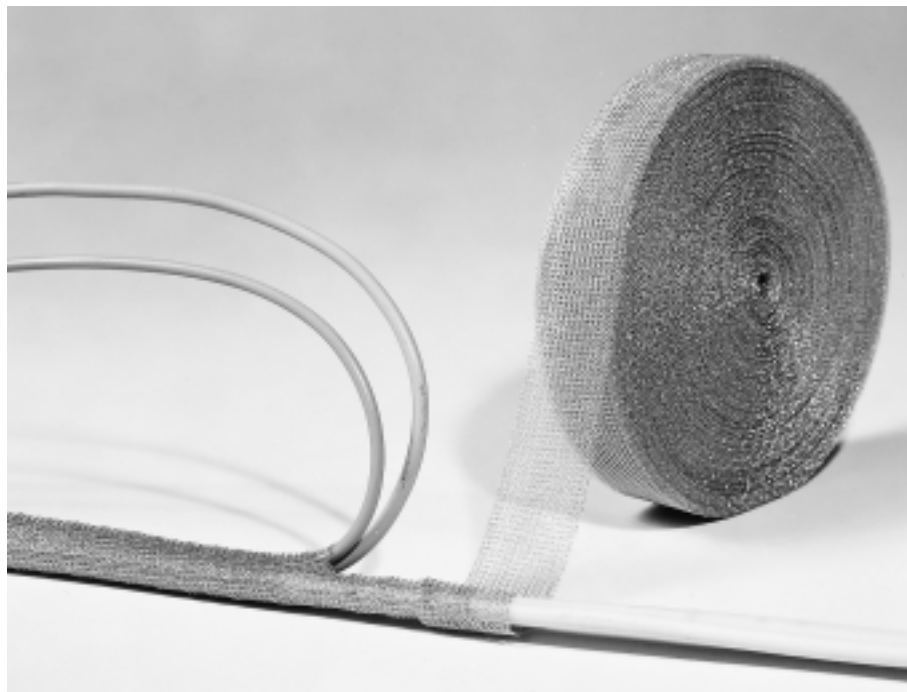
SHIELD WRAP mesh is designed to wrap easily (50% overlap recommended) around cables and harnesses, and will reduce corona discharge in addition to providing EMI shielding. It has excellent flexibility and conforms easily to irregular and complex surfaces. Under rising temperatures, the wire's knitted loops enlarge into each other instead of bulging away from wrapped surfaces, as do straight wires of woven mesh. Although not intended as a substitute for braided grounding straps, SHIELD WRAP mesh becomes especially useful for grounding when considerable flexibility is required.

Standard SHIELD WRAP mesh is available in either monel or Ferrex*, in wire diameters of 0.0035 in. (0.09 mm) and 0.0045 in. (0.11 mm), and widths from 3/4 in. (19.1 mm) to 2 in. (50.8 mm). Openings per linear in. are from 8 to 14 for these materials. Mesh can also be fabricated from a number of other metals, including aluminum, silver-plated brass, copper, tinned copper, nickel and stainless steel. Strip widths up to 24 in. (600 mm) can be provided.

For complete information, request Technical Bulletin 113.

Chomerics can supply mesh knitted in most metals with a minimum wire diameter of .002 in. (0.051 mm). Minimum order quantities may apply. For custom applications, contact Chomerics' Applications Engineering Department for assistance.

* Ferrex® is Chomerics' tin-plated, copper-clad steel wire per ASTM B-520. ASTM (QQ-W-343) tin-plate, 2-3% by weight; ASTM B-227 copper-cladding 30-40% by weight; SAE 1010 steel wire, balance by weight.



Ordering Procedure

Standard SHIELD WRAP mesh (monel or Ferrex): Select the part number from below. Include wire diameter [0.0035 in. (0.09 mm) or 0.0045 in. (0.11 mm)] and length of strip required.

Fabricated or Non-Standard SHIELD WRAP mesh: When SHIELD WRAP mesh is to be fabricated from another metal, or in a non-standard size, consult Chomerics' Applications Engineering Department. Part numbers will be assigned by Chomerics.

Table 1

STANDARD SHIELD WRAP KNITTED WIRE MESH				
	Strip Width			
Metal	3/4 in. (19.1 mm)	1 in. (25.4 mm)	1-1/2 in. (38.1 mm)	2 in. (50.8 mm)
	Part Number			
Monel	05-0720-0272-02	05-0720-0432-02	05-0720-1012-01	05-0720-1532-01
Ferrex	05-0860-0272-02	05-0860-0432-01	05-0860-1012-03	05-0860-1532-04

Note: In addition to part number, desired wire diameter must be specified. Part numbers shown above reflect 0.0045 in. wire diameters.