SHIELD WRAP

Knitted Wire Mesh 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, tinned copper, nickel and stainless steel. Strip widths up to 24 in. (600 mm) can be provided. For custom applications, contact Parker Chomerics Applications Engineering Department for assistance.

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

* Monel is a nickel-copper alloy per QQ-N-281.
** Ferrex® is Parker Chomerics tin-plated, copper-clad steel wire per ASTM B-520. ASTM (QQ-W343) tin-plate, 2-3% by weight; ASTM B-227 coppercladding 30-40% by weight; SAE 1010 steel wire, balance by weight.





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SHIELD WRAP ORDERING INFORMATION

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.

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.



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