LT Product Profile

00435

LEADER TECH a HEICO company

EMI/RFI Board, Enclosure, Cable Shielding & Thermal Solutions



Mesh Gaskets

Mesh gaskets are constructed of knitted mesh wire. The metal mesh material can be SnCuFe (tin-plated copper-clad steel), Monel (nickel-copper alloy) or aluminum. The most common wire materials are Monel, which combines excellent EMI/RFI protection, high resistance to oxidation, high tensile strength and resiliency, and SnCuFe, which offers best shielding performance at lower frequencies, especially with respect to magnetic fields. Aluminum mesh is occasionally used when the mating surfaces are aluminum. Gaskets can be ordered to specific ID, OD and thickness as needed.

7XXX	-	XXXX	XXXX	-	XX
Thickness Where: .125 = 7125		Inner Diameter Where: .500 = 0500	Outer Diameter Where: 1.250 = 1250		Material Code

Material Code	Material Description
71	0.0045" diameter tin plated copper clad steel wire per ASTM B520
72	0.0045" diameter monel wire per QQ-N-281
73	0.0050" diameter 5056 aluminum wire per AMS-4182



Example:

1) 0.125" thick x 0.250" ID x 1.000 OD made from monel wire:
7125-02501000-72

2) 0.063" thick x 0.500" ID x 1.750" OD made tin plated steel wire:
7063-05001750-71

Applications

- Antenna seals
- Connector seals
- Gland rings
- Grounding washers

Does not provide weather or environment sealing

Benefits

- Excellent EMI shielding and grounding properties
- Extreme temperature environments

Materials

- SnCuFe (Tin plated, copper-clad, steel wire)
- Monel Wire (Copper-nickel alloy)
- Aluminum Wire

Standard Thicknesses

- .032"
- .062"
- .093"
- .125"
- .156"
- .187"
- .250"

MG

MESH GASKETS

LEADER TECH a HEICO company

Global EMI Shielding Technology Center
12420 Race Track Rd., Tampa, Florida 33626
866.TECH.EMI (866.832.4364) t 813.855.6921 f 813.855.3291

www.LeaderTechInc.com

ISO 9001: 2015 CERTIFIED

RoHS COMPLIANT

STATEMENT OF LIEU OF WARRANTY: All technical information and data in this document is based on tests and is believed to be accurate and reliable. Nevertheless, since the products described herein are not provided to conform with mutually accepted specifications and the use thereof is unknown, the manufacturer and seller of the products do not guarantee results, freedom from patent infringement, or suitability of the products for any application thereof. The manufacturer and seller of the products described in this document will provide all possible technical assistance and will replace any products proven defective. No statement or recommendations made by the manufacturer or seller not contained herein shall have any force of effect unless in conformity with an agreement signed by an officer of the seller and manufacturer. Product testing by the purchaser is recommended in order to confirm expected results.

Copyright© Leader Tech, Inc. 2018