

Copper Wire Mesh

Characteristic: As the alloy of copper and zinc, brass wire mesh has excellent abrasion resistance, corrosion resistance and lower electric conductivity compared with copper. Phosphor bronze wire mesh has the characteristics of corrosion resistance, wear and tear resistance, but it is not suitable for exposure to hydrochloric acid or strong oxidizing agents.

Uses: Copper wire mesh can be widely used in pharmaceuticals, chemicals, rubber rollers, plastic, paper, crushers, industries, etc; it can also be used in sieving diversified pellet, power, printing, porcelain, chinaware, in glass, oil, etc.

Features

Excellent thermal and electrical conductivity

Commercially pure 99+%

Easily soldered

Used for RFI shielding, Faraday cages and Tempest shielding

Shielding Graph PDF and RFI Shielding Section

Copper Mesh Disc Prices

Copper wire mesh is a plain square weaving (over one, under one). It has excellent thermal and electrical conductivity and is easily soldered. Copper mesh is ductile and malleable, but not as strong as brass.

Usage

Snail control-any copper mesh may be used (selection would be based on strength and appearance). The snail receives a small but unpleasant electrical shock when it contacts copper mesh. Gardeners build small ground barrier strips or wrap stems and trunks with mesh bands. 2, 4, or 8 meshes would be good choices for small snail fences.

Insect screen -- 16 mesh .011 inch wire diameter

RFI Shielding

Copper Decorative lamps

Cabinet screens

Furniture

Ornaments

Gutter guard

Root control -- 16 mesh .011 inch wire diameter

Faraday cages

Ground planes and counterpoises for antennas

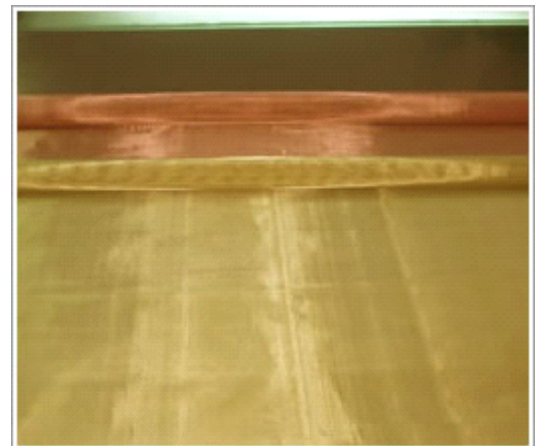
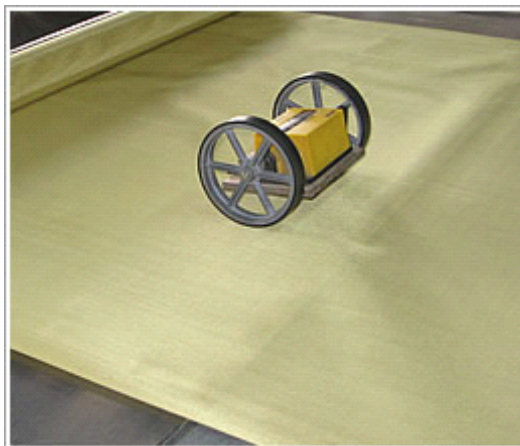
Tempest shielding -- 22 mesh .022 inch wire diameter

Sculpture

Paper making

Brass Wire Mesh

Brass mesh is excellent for marine and outdoor applications because of its immunity to rust and salt solutions. Brass wire mesh cloth is an ideal wire mesh for fabricating gasoline filters and baskets from electro polishing.



Mesh	Wire Diameter (MM)			Open (MM)
	SWG	mm	inch	
6mesh	22	0.711	0.028	3.52
8mesh	23	0.610	0.024	2.56
10mesh	25	0.508	0.020	2.03
12mesh	26	0.457	0.018	1.66
14mesh	27	0.417	0.016	1.39

16mesh	29	0.345	0.014	1.24
18mesh	30	0.315	0.012	1.09
20mesh	30	0.315	0.0124	0.95
22mesh	30	0.315	0.0124	0.84
24mesh	30	0.315	0.0124	0.74
26mesh	31	0.295	0.0116	0.68
28mesh	31	0.295	0.0116	0.61
30mesh	32	0.247	0.011	0.57
32mesh	33	0.254	0.010	0.54
34mesh	34	0.234	0.0092	0.51
36mesh	34	0.234	0.0092	0.47
38mesh	35	0.213	0.0084	0.45
40mesh	36	0.193	0.0076	0.44
42mesh	36	0.193	0.0076	0.41
44mesh	37	0.173	0.0068	0.40
46mesh	37	0.173	0.0068	0.37
48mesh	37	0.173	0.0068	0.35
50mesh	37	0.173	0.0068	0.33
60X50mesh	36	0.193	0.0076	-
60X50mesh	37	0.173	0.0068	-
60mesh	37	0.173	0.0068	0.25
70mesh	39	0.132	0.0052	0.23
80mesh	40	0.122	0.0048	0.19
90mesh	41	0.112	0.0044	0.17
100mesh	42	0.012	0.004	0.15
120X108mesh	43	0.091	0.0036	-
120mesh	44	0.081	0.0032	0.13
140mesh	46	0.061	0.0024	0.12
150mesh	46	0.061	0.0024	0.10
160mesh	46	0.061	0.0024	0.09
180mesh	47	0.051	0.002	0.09
200mesh	47	0.051	0.002	0.07

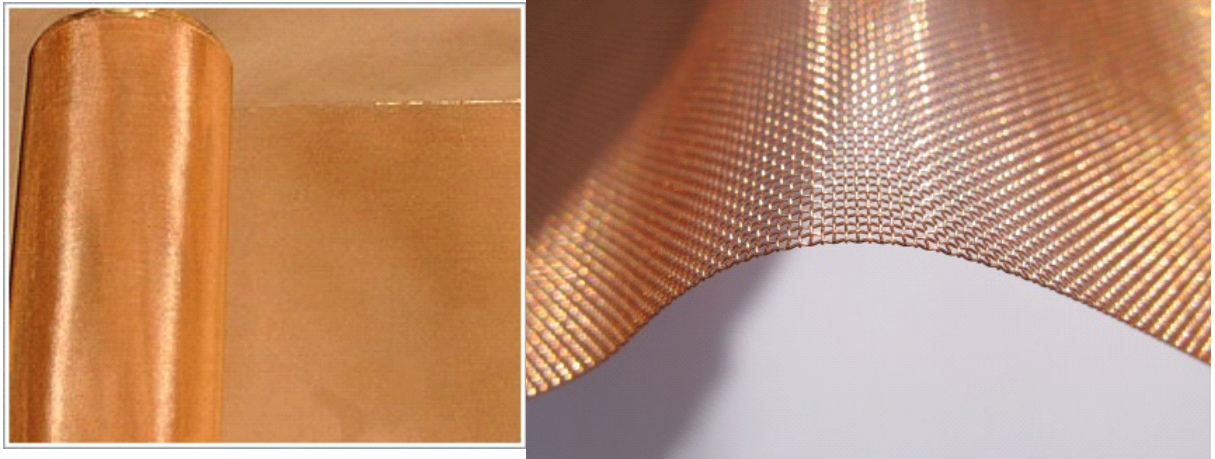
Purple Copper mesh

Our products are applied to a wide range of industries, such as printing, mining, petroleum, machine building, chemical, rubber, plastics, food and pharmacy with close structure, high intensity, good wear-resistance

and high durability. We can produce different meshes according to customers' special requests.

Features:

- 1) Materials: Yellow copper wire H68, H80, phosphorus copper wire (tin bronze), purple copper wire, etc.
- 2) Weaving: Plain weaving, twill weaving, microgroove-plain weaving-twill, satin weaving, formatted with a lot of burs.
- 3) Performance: Good resistance to rubbing, no magnetism, strong expanding property, etc.
- 4) Length: 5m - 400m



Mesh (inch)	Mesh No (SWG)	Opening mm	Wire Diameter mm	Weight (kg/roll)
4	22#	5.64	0.71	35.7
8	26#	2.7	0.45	27.46
10	27#	2.1	0.41	28.45
20	30#	0.96	0.31	32.58
22	32#	0.88	0.27	21.18
24	33#	0.8	0.25	25.43
60	42#	0.32	0.10	10.17
80	40#	0.198	0.12	19.2

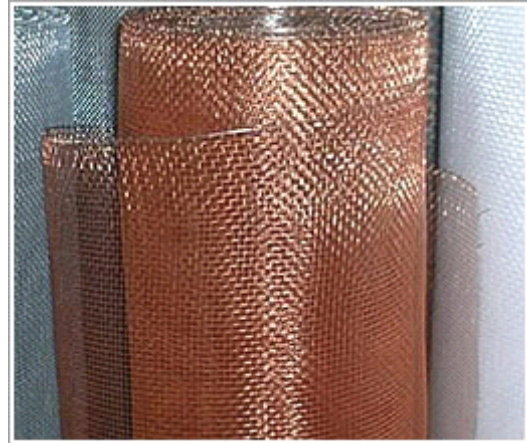
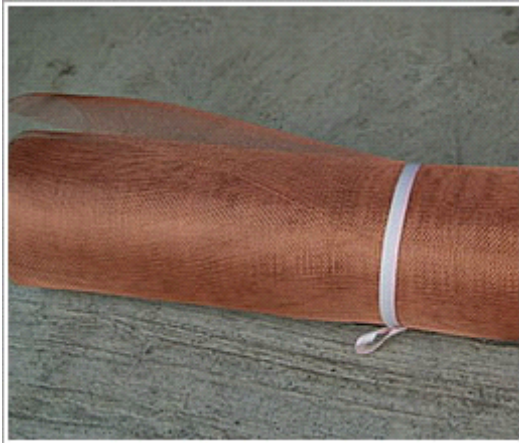
The specification is only for reference, and it can be done according to the requests of the customers.

Phosphor Bronze mesh

Material: Phosphor Bronze mesh

Weaving: Plain weaving or twill weaving.

Phosphor Bronze mesh usage: Used in all kinds of liquid and gas's filter of particulate, powder, porcelain clay and glass print.



Mesh	Wire Drive			Mesh Size(MM)
	SWG	mm	inch	
6	22	0.711	0.028	3.522
8	23	0.610	0.024	2.565
10	25	0.508	0.020	2.032
12	26	0.457	0.018	1.660
14	27	0.417	0.016	1.397
16	29	0.345	0.014	1.243
18	30	0.315	0.012	1.096
20	30	0.315	0.0124	0.955
22	30	0.315	0.0124	0.840
24	30	0.315	0.0124	0.743
26	31	0.295	0.0116	0.682
28	31	0.295	0.0116	0.612
30	32	0.247	0.011	0.573
32	33	0.254	0.010	0.540
34	34	0.234	0.0092	0.513
36	34	0.234	0.0092	0.472
38	35	0.213	0.0084	0.455
40	36	0.193	0.0076	0.442
42	36	0.193	0.0076	0.412
44	37	0.173	0.0068	0.404
46	37	0.173	0.0068	0.379
48	37	0.173	0.0068	0.356
50	37	0.173	0.0068	0.335

60×50	36	0.0076	0.0076	
60×50	37	0.0068	0.0068	
60	37	0.0068	0.0068	0.250
70	39	0.132	0.0052	0.231
80	40	0.122	0.0048	0.196
90	41	0.112	0.0044	0.170
100	42	0.012	0.004	0.152
120×108	43	0.091	0.0036	
120	44	0.081	0.3200	0.131
140	46	0.061	0.0024	0.120
150	46	0.061	0.0024	0.108
160	46	0.061	0.0024	0.098
180	47	0.051	0.002	0.090
200	47	0.051	0.002	0.076