



### Knitted Wire Mesh

Knitted wire meshes are produced from a single continuous filament and produce very high levels of EMI shielding performance when evenly compressed between two metallic contact surfaces.

Our knitted wire EMI shielding meshes are available in four basic wire types - Monel, Aluminium, TCS (Tinned Copper-clad Steel) and Stainless Steel. Each has it's own specific characteristics but TCS is generally regarded as the most suitable for EMP (low frequency) shielding.



- CONDUCTIVE ELASTOMERS
- CONNECTOR GASKETS
- ORIENTED WIRES IN SILICONE
- CONDUCTIVE ADHESIVES
- FABRIC OVER FOAM

**SELECT  KNITTED WIRE MESH**

How to order	
Wire Code	Style
Monel - 1	Round - R
Aluminium - 2	Rectangular - REC
TCS - 3	Round with Fin - RWF
Stainless steel - 4	Twin Round with tail - TRWT

For Example: KWM-2-TRWT-0064-00254 which is Aluminium wire in a twin round with fin profile with a 6.4mm diameter and 25.4mm width

### General Specification

Monel	- BS3075 - NA13	(0.11mm diameter)
Aluminium 5056	- AMS 4182	(0.13mm diameter)
TCS	- ASTM B520	(0.11mm diameter)
Stainless Steel	- Alloy 304	(0.11mm diameter)

### Available in the following forms:

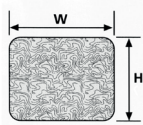
- Continuous Lengths
- Cut to Length
- Fabricated Gaskets
- Bonding to Carriers such as Silicone, Neoprene or EPDM
- Compressed Mesh O rings

Other sizes available please contact us.

Performance						
FREQUENCY	FIELD	MONEL	ALUMINIUM	TCS	S/STEEL	
10KHz	H	45	40	60	40	
100KHz	H	49	45	65	44	
1MHz	H	60	60	85	58	
1MHz	E	125	125	125	125	
10MHz	E	120	120	120	120	
100MHz	E	100	100	108	100	
400MHz	P	98	95	99	94	
1GHz	P	85	76	78	76	
10GHz	P	80	65	62	60	

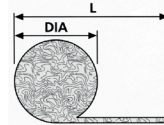


## Rectangular



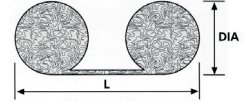
HEIGHT X WIDTH	PART NUMBER
1.57 x 1.57	REC-0016-0016
1.57 x 3.18	REC-0016-0032
1.57 x 4.75	REC-0016-0048
1.57 x 6.35	REC-0016-0064
1.57 x 7.92	REC-0016-0080
1.57 x 9.53	REC-0016-0095
1.57 x 12.7	REC-0016-0127
1.57 x 15.9	REC-0016-0159
1.57 x 19.1	REC-0016-0191
1.57 x 25.4	REC-0016-0254
2.36 x 2.36	REC-0024-0024
2.36 x 3.18	REC-0024-0032
2.36 x 4.75	REC-0024-0048
2.36 x 6.35	REC-0024-0064
2.36 x 7.92	REC-0024-0080
2.36 x 9.53	REC-0024-0095
2.36 x 12.7	REC-0024-0127
2.36 x 15.9	REC-0024-0159
3.18 x 3.18	REC-0032-0032
3.18 x 3.96	REC-0032-0040
3.18 x 4.75	REC-0032-0048
3.18 x 6.35	REC-0032-0064
3.18 x 7.92	REC-0032-0080
3.18 x 9.53	REC-0032-0095
3.18 x 12.7	REC-0032-0127
3.18 x 15.9	REC-0032-0159
3.18 x 19.1	REC-0032-0191
3.18 x 25.4	REC-0032-0254
4.75 x 4.75	REC-0048-0048
4.75 x 6.35	REC-0048-0064
4.75 x 7.92	REC-0048-0080
4.75 x 9.53	REC-0048-0095
4.75 x 12.7	REC-0048-0127
4.75 x 15.9	REC-0048-0159
4.75 x 19.1	REC-0048-0191
4.75 x 25.4	REC-0048-0254
6.35 x 6.35	REC-0064-0064
6.35 x 9.53	REC-0064-0095
6.35 x 12.7	REC-0064-0127
6.35 x 15.9	REC-0064-0159
6.35 x 19.1	REC-0064-0191
6.35 x 25.4	REC-0064-0254
7.92 x 7.92	REC-0080-0080
9.53 x 9.53	REC-0095-0095
9.53 x 15.9	REC-0095-0159

## Round with Fin



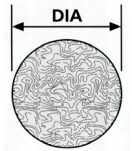
HEIGHT X WIDTH	PART NUMBER
1.57 x 9.53	RWF-0016-0095
1.57 x 12.7	RWF-0016-0127
1.57 x 15.9	RWF-0016-0159
2.36 x 12.7	RWF-0024-0127
2.36 x 15.9	RWF-0024-0159
3.18 x 12.7	RWF-0032-0127
3.18 x 15.9	RWF-0032-0159
3.18 x 19.1	RWF-0032-0191
3.96 x 12.7	RWF-0040-0127
3.96 x 19.1	RWF-0040-0191
4.75 x 15.9	RWF-0048-0159
4.75 x 19.1	RWF-0048-0191
4.75 x 25.4	RWF-0048-0254
6.35 x 15.9	RWF-0064-0159
6.35 x 19.1	RWF-0064-0191
6.35 x 25.4	RWF-0064-0254
7.92 x 15.9	RWF-0080-0159
7.92 x 19.1	RWF-0080-0191
7.92 x 25.4	RWF-0080-0254
9.53 x 15.9	RWF-0095-0159
9.53 x 19.1	RWF-0095-0191
9.53 x 25.4	RWF-0095-0254
11.1 x 19.1	RWF-0111-0191
11.1 x 25.4	RWF-0111-0254
12.7 x 19.1	RWF-0127-0191
12.7 x 25.4	RWF-0127-0254

## Twin Round with Tail



HEIGHT X WIDTH	PART NUMBER
1.57 x 9.53	TRWT-0016-0095
1.57 x 12.7	TRWT-0016-0127
1.57 x 15.9	TRWT-0016-0159
2.36 x 12.7	TRWT-0024-0127
2.36 x 15.9	TRWT-0032-0095
3.18 x 12.7	TRWT-0032-0127
3.18 x 15.9	TRWT-0032-0159
4.75 x 15.9	TRWT-0048-0159
4.75 x 19.1	TRWT-0048-0191
4.75 x 25.4	TRWT-0048-0254
6.35 x 15.9	TRWT-0064-0159
6.35 x 19.1	TRWT-0064-0191
6.35 x 25.4	TRWT-0064-0254
9.53 x 25.4	TRWT-0095-0254

## Round



DIAMETER	PART NUMBER
1.57	R-0016
2.36	R-0024
3.18	R-0032
3.96	R-0040
4.75	R-0048
6.35	R-0064
7.92	R-0080
9.53	R-0095
11.1	R-0111
12.7	R-0127

