



E-Song America, Inc.

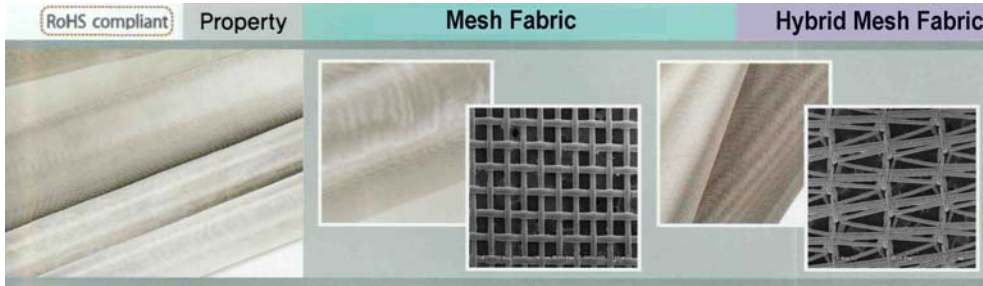
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100%
RoHS Compliant
Products

CuNi PLATED CONDUCTIVE FABRIC - Mesh

■ Characteristic

Mesh fabric is available for allowing air and/or light through the fabric, while providing shielding against radio waves. Hybrid mesh is thicker, stronger, and allows more elongation.



■ Technical data

PART NO.		MEA-80-PCN	MEA-130-PCN	MEA-200-PCN	MEA-NET	MFEA-200-PCN	MNEA-90-PCN
Type		Mesh	Mesh	Mesh	Net	Hybrid	Hybrid
Surface Color		Gray	Gray	Gray	Gray	Gray	Gray
Base Fiber		Polyester	Polyester	Polyester	Polyester	Polyester	Polyester
Plating Type		Ni-Plating	Ni-Plating	Ni-Plating	Ni-Plating	Ni-Plating	Ni-Plating
Plating Material		Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni
Max. Width (mm)		1070 ±10	1070 ±10	1070 ±10	1070 ±10	1070 ±10	1070 ±10
Density	Warp	90 ±2	140 ±2	200 ±2	31 ±2	21 ±2	97 ±5
	Weft	86 ±2	120 ±2	204 ±2	31 ±2	19 ±2	72 ±5
Weight (g/m ²)		29 ±3	33 ±3	45 ±3	54 ±3	220 ±3	75 ±3
Thickness (mm)		0.105 ±0.005	0.09 ±0.005	0.09 ±0.005	0.23 ±0.02	0.58 ±0.01	0.17 ±0.01
Breaking Strength (N)	Warp	179.3 ±10	196.8 ±10	267.8 ±10	293.6 ±10	384.5 ±10	283.2 ±10
	Weft	177.5 ±10	184.7 ±10	273.2 ±10	110.2 ±10	456.2 ±10	196.2 ±10
Elongation (%)	Warp	29.4 ±5	29.7 ±5	28.9 ±5	48 ±5	51 ±5	36.4 ±5
	Weft	29.7 ±5	30.7 ±5	27.2 ±5	21.5 ±5	65 ±5	31.3 ±5
Surface Resistance (Ω/inch ²)	Max.	50	50	50	50	50	50
	Min.	0.05	0.05	0.05	0.03	0.03	0.03
	Avg.	<0.2	<0.15	<0.1	<0.1	<0.1	<0.1
Shielding Effectiveness (dB), 500 MHz	Max.	75	75	75	75	75	75
	Min.	10	10	10	10	10	10
	Avg.	>48	>50	>53	>53	>53	>53

ENVIRONMENTALLY HAZARDOUS SUBSTANCE TEST RESULTS	Lead (Pb)	ND	ICP-AES
	Cadmium (Cd)	ND	ICP-AES
	Mercury (Hg)	ND	ICP-AES
	Hexavalent Chromium (Cr VI)	ND	UV-Vis
	PBBs	ND	GC/MS

*ND=not detected.

(SGS Testing, Korea)