



E-Song America, Inc.

100%
RoHS Compliant
Products

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GOLD-PLATED CONDUCTIVE FABRIC

■ Characteristic

Surface plating is 99.9% pure gold, with Ni + Cu + Ni under-plating, and has excellent shielding effectiveness. As an option, we can provide Anti-Tarnish Urethane coating to prevent finger prints.



■ Technical data

PART NO.		WEA-290-G	WEA-130-G	FDEA-290-G	MEA-200-G
Type		Woven	Woven	Woven	Woven
Surface Color		Gold	Gold	Gold	Gold
Base Fiber		Polyester	Polyester	Polyester	Polyester
Plating Type		Gold-Plating	Gold-Plating	Gold-Plating	Gold-Plating
Plating Material		Ni + Cu + Ni + Au	Ni + Cu + Ni + Au	Ni + Cu + Ni + Au	Ni + Cu + Ni + Au
Max. Width (mm)		1070 ±10	1070 ±10	1070 ±10	1070 ±10
Density	Warp	188 ±5	84 ±5	Filla: 184 ±5	200 ±2
	Weft	92 ±5	48 ±5	D.T.Y.: 112 ±5	204 ±2
Weight (g/m ²)		83.8 ±5	83.6 ±5	83.4 ±5	83.2 ±5
Thickness (mm)		0.105 ±0.005	0.18 ±0.005	0.1 ±0.005	0.09 ±0.005
Breaking Strength (N)	Warp	661.3 ±10	519 ±10	732 ±10	259.8 ±10
	Weft	382 ±10	998 ±10	123 ±10	263.2 ±10
Elongation (%)	Warp	27.6 ±5	37 ±5	16 ±5	27.9 ±5
	Weft	35.8 ±5	38 ±5	10 ±5	27.2 ±5
Surface Resistance (Ω/inch ²)	Max.	0.1	0.1	0.1	0.5
	Min.	0.01	0.01	0.01	0.05
	Avg.	<0.04	<0.04	<0.04	<0.1
Shielding Effectiveness (dB), 500 MHz	Max.	85	85	85	70
	Min.	50	50	50	40
	Avg.	>73	>70	>73	>55

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)