

# E-Song America, Inc.

100%  
RoHS Compliant  
Products

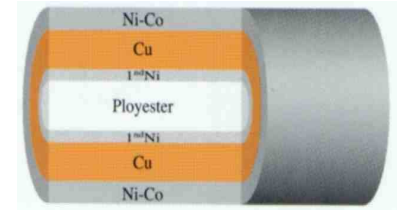
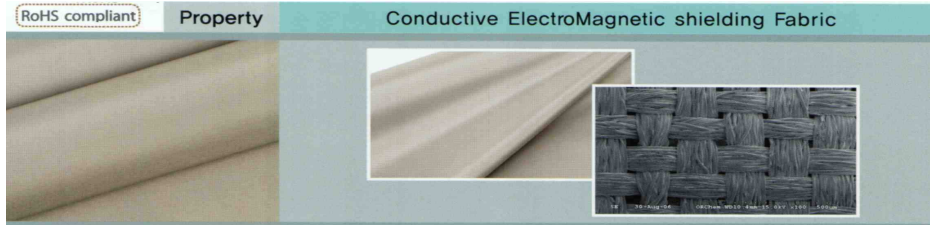
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## Ni-Co-PLATED CONDUCTIVE FABRIC: Ni-Cobalt

### ■ Characteristic

Class 8 metals such as Nickel, Iron, Cobalt has high magnetic flux permeability. Unlike other conductive fabrics which are great for shielding electric field waves but not magnetic field waves, Ni-Cobalt-plated fabric has good shielding effectiveness against magnetic waves.



### ■ Technical data

PART NO.		WD-250-NiCo	WD-270-NiCo		
Type		Woven	Woven		
Surface Color		Gray	Gray		
Base Fiber		Polyester	Polyester		
Plating Type		Ni-Co Plating	Ni-Co Plating		
Plating Material		Ni + Cu + (Ni/Co)	Ni + Cu + (Ni/Co)		
Max. Width (mm)		1070 ±10	1070 ±10		
Density	Warp	142.4 ±5	178 ±5		
	Weft	113.4 ±5	94 ±5		
Weight (g/m <sup>2</sup> )		100 ±3	162 ±3		
Thickness (mm)		0.11 ±0.005	0.18 ±0.005		
Breaking Strength (N)	Warp	566.6 ±10	756 ±10		
	Weft	432.2 ±10	987 ±10		
Elongation (%)	Warp	34.2 ±5	32 ±5		
	Weft	30.2 ±5	29 ±5		
Surface Resistance (Ω/inch <sup>2</sup> )	Max.	0.1	0.1		
	Min.	0.005	0.005		
	Avg.	<0.04	<0.04		
Shielding Effectiveness (dB), 500 MHz	Max.	100	100		
	Min.	40	40		
	Avg.	>85	>84		

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)

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