



E-Song America, Inc.

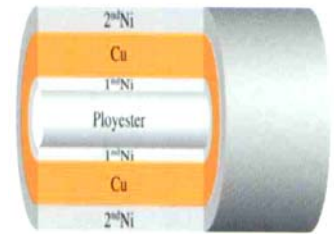
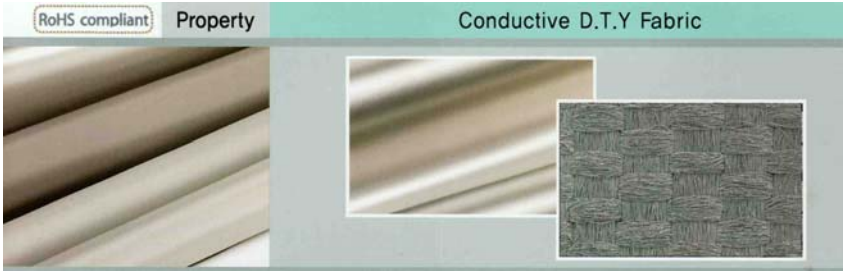
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100%
RoHS Compliant
Products

CuNi PLATED CONDUCTIVE FABRIC - D.T.Y.

■ Characteristic

Fabric is woven using DTY (draw textured yarn) and heavier and stonger than Rip-Stop or standard woven cloth. It is more flexible and allows higher elongation. It has highest shielding effectiveness of all conductive fabric types. ATU (anti-tarnish urethane) coating is available.



■ Technical data

PART NO.		WPDEA-300-PCN	WDEA-300-PCN	WDEA-250-PCN	WDEA-260-PCN	WDEA-270-PCN	WDEA-320-PCN
Type		D.T.Y. Yarn	D.T.Y. Yarn	D.T.Y. Yarn	D.T.Y. Yarn	D.T.Y. Yarn	D.T.Y. Yarn
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	186 ±5	186 ±5	142.4 ±5	134 ±5	178 ±5	123 ±5
	Weft	116 ±5	116 ±5	113.4 ±5	94.4 ±5	94 ±5	100 ±5
Weight (g/m ²)		72 ±3	72 ±3	100 ±3	111 ±3	162 ±3	149.5 ±3
Thickness (mm)		0.057 ±0.005	0.085 ±0.005	0.11 ±0.005	0.16 ±0.005	0.18 ±0.005	0.21 ±0.01
Breaking Strength (N)	Warp	399.2 ±10	399.2 ±10	566.6 ±10	639 ±10	756 ±10	667.4 ±10
	Weft	313.1 ±10	313.1 ±10	432.2 ±10	473 ±10	987 ±10	106.8 ±10
Elongation (%)	Warp	30 ±5	30 ±5	34.2 ±5	34.2 ±5	32 ±5	60 ±5
	Weft	40 ±5	35 ±5	30.2 ±5	31.1 ±5	29 ±5	72 ±5
Surface Resistance (Ω/inch ²)	Max.	50	50	50	50	50	50
	Min.	0.005	0.005	0.005	0.005	0.005	0.005
	Avg.	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
Shielding Effectiveness (dB), 500 MHz	Max.	120	120	120	120	120	75
	Min.	10	10	10	10	10	10
	Avg.	>73	>74	>75	>74	>74	>60

(In the order of thickness)

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)