

FLECTION™ NI/CU CONDUCTIVE FABRIC

Flectron™ Nickel/Copper Conductive Fabric is a unique fabric, manufactured using a patented, proprietary technology. This technology combines highly conductive copper and corrosion resistant nickel with the lightweight, flexibility, conformability, strength and uniform appearance of a woven.

Flectron™ conductive fabric offers excellent surface conductivity, shielding effectiveness, and reflectivity for a variety of applications.

Fabric Name	Nominal Thickness	Base Fabric	Base Weight (g/m ²)	Thickness (mm)	Surface Resistivity (Ohm/sq)
3027-235P PNW	0.40mm	PNW, polyester non-woven	110 - 150	0.36 - 0.46	<0.07
3070-500 Mesh	0.17mm	Mesh, polyester mesh	56 - 62	0.16 - 0.20	<0.07
3050-525 NRS	0.11mm	NRS, nylon ripstop	83 - 95	0.10 - 0.12	<0.07
3035-535 PTAF	0.10mm	PTAF, polyester taffeta	92 - 98	0.09 - 0.11	<0.07
773 Fabric	0.10mm		82 - 94	0.09 - 0.105	<0.04
785 Fabric	0.085mm		85 - 96	0.07 - 0.09	<0.04
750 Fabric	0.055mm		52 - 60	0.045 - 0.06	<0.04
748 Fabric	0.035mm		41 - 49	0.03 - 0.04	<0.04
720 Fabric	0.025mm		22 - 29	0.017 - 0.023	<0.06
285 Black Fabric	0.085mm		85 - 94	0.07 - 0.09	<0.07
203 Black Fabric	0.095mm		87 - 95	0.085 - 0.100	<0.1
205 Black Fabric	0.085mm	82 - 92	0.08 - 0.092	<0.13	
250 Black Fabric	0.055mm	57 - 68	0.045 - 0.06	<0.06	
249 Black Fabric	0.035mm	48 - 58	0.03 - 0.04	<0.07	

Note : All the fabrics listed above are nickel copper plated.

SHELF LIFE

1 year from date of shipment in sealed bag under 0 - 40°C. No humidity control is required.

Laird Performance Materials
DuPont Electronics & Industrial
Americas: +1 866 928-8181
Europe: +49 8031 2460 0
China: +86 7552 7141166
www.laird.com



www.marianinc.com
1-800-773-0062

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non- infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2020 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.