

FREEDOM OF DESIGN
CUSTOMIZED CONDUCTIVITY
CONSISTENCY
DURABILITY
SAFE

ULTIMATE IN CONDUCTIVE DESIGN FLEXIBILITY

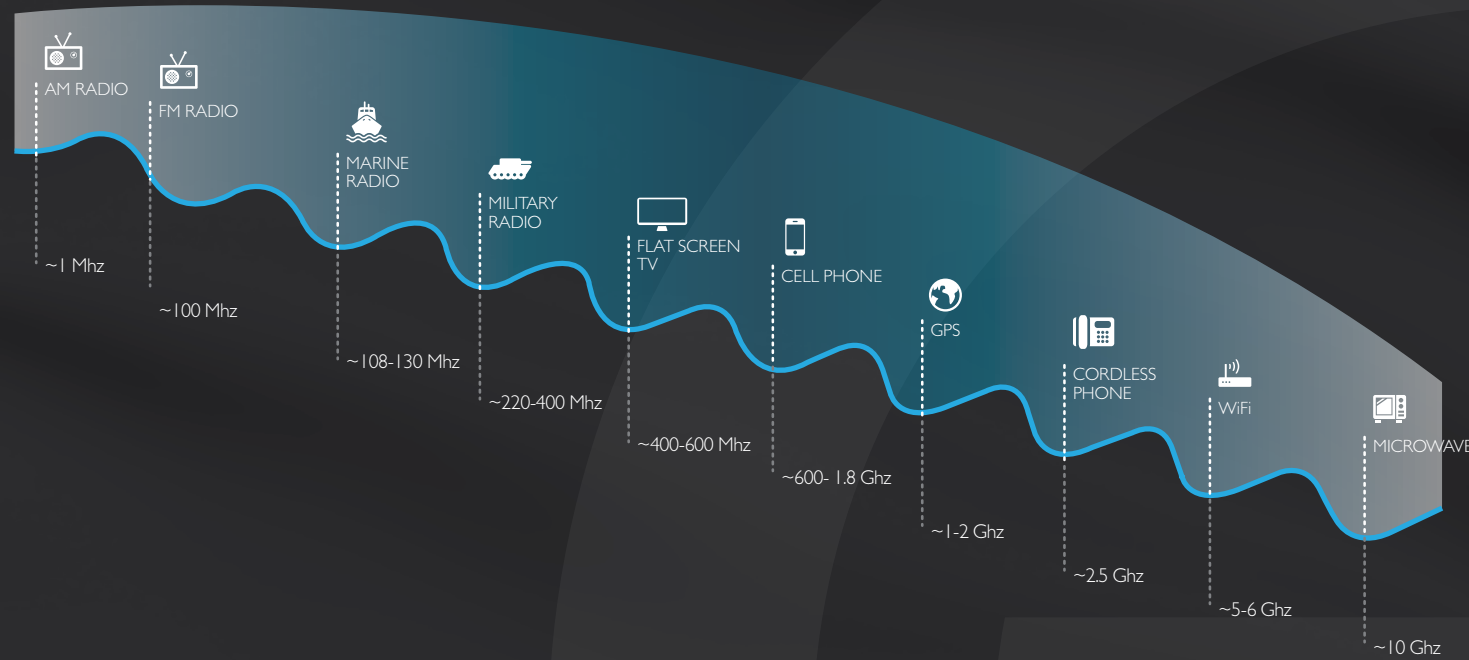
Since CIRCUITEX™ can be blended into fabrics at variable levels, we can offer the ultimate in conductive or dissipative design flexibility. This flexibility allows customers the pliability, tenacity, elongation and strength requirements needed to meet their design specifications.

CONDUCTIVE AND DISSIPATIVE SOLUTIONS

circuITeX™
DETECT. TRANSMIT. PROTECT.

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DETECT. TRANSMIT. PROTECT.

SHIELDING



CIRCUITEX™ TECHNOLOGY DELIVERY SYSTEMS

FABRIC

CIRCUITEX™ Fabrics are available in a range of conductive and construction options. Our state of the art equipment and quality program provides the most uniform coating in the industry. Each fiber is encapsulated with a layer of pure silver for consistent and optically superior final fabric. We can customize to customer specifications.

- WOVEN
- NON-WOVEN
- WARP KNIT
- CIRCULAR KNIT
- STRETCH & NON-STRETCH

FILAMENT

CIRCUITEX™ Filament yarns are continuous filaments. They can be monofilament or multifilament. We offer a wide range of deniers to meet our customer's needs (pre-metallized deniers). We can customize to customer specifications.

20 denier	3 filaments	(20/3)
30 denier	10 filaments	(30/10)
40 denier	13 filaments	(40/13)
70 denier	34 filaments	(70/34)
100 denier	34 filaments	(100/34)

APPLICATIONS

DATA TRANSMISSION

Conductive Gloves, Smart Wearables, Smart Fabrics



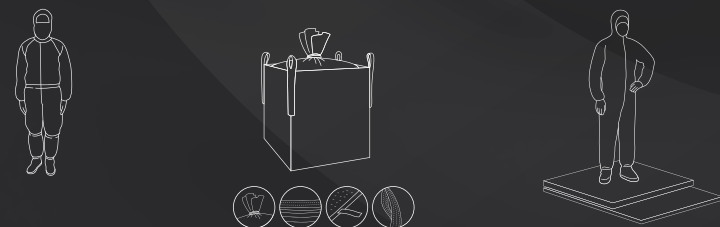
DATA PROTECTION

EMI/RF Shielding Cables, Fabrics, Gaskets



STATIC CONTROL

Static-Control Garments, FIBC Bags, Anti-Static Flooring



STAPLE & CHOPPED FIBER

CIRCUITEX™ Staple can be blended with natural and man-made fibers such as cotton, wool, polyester, acrylic etc. Spun yarn can be engineered to provide optimum benefit based on the application which includes anti-static, EMI & RFI Shielding. Noble can customize and combine CIRCUITEX™ with natural and man-made fibers to meet customer specifications.

	Denier per filament	Length (inches)	Length (millimeters)
STAPLE	1.8	1.5	38
STAPLE	2.5	1.5	50
CHOPPED	1.8	0.2	5
CHOPPED	3	0.02	0.5