

SURSHIELD Polyester textile fabrics are covered with a continuous coating of nickel offering good RFI/EMI shielding, together with a range of mechanical and other properties.

**51-PJ-100** is a multi-filament, knitted interlock jersey developed for construction of flexible and elastic Faraday cages for frequencies from 10 kHz to 500 MHz.

- Product Features:
- Highly Flexible
  - Easy to handle
  - Stretchable

Property	Typical Value	
Substrate/Surface metal	Polyester multifilament / nickel	
Total weight (g/m <sup>2</sup> )	164-224	
Width (cm)	140-150	
Thickness (µm)	-500	
Transparency to light	Opaque	
Flammability	Flammable	
DC resistance (mΩ / square)	50-325	
Tolerated power density (W/cm <sup>2</sup> ) [12 GHz, 10 mins]	3	
Shielding level (dB)	100 kHz	45
	100 MHz	45
	1 GHz	42
	10 GHz	30
	26 GHz	76