

## 3M™ Portable Field Service Kit 8505

The Portable Field Service Kit 8505 is a small, lightweight kit that offers the same level of static control as the full-sized 3M™ Field Service Kit 8501, yet is small enough to fit in a shirt pocket.



Specifications	Typical Value
Resistance to Ground* (RTG)	< 10 <sup>7</sup> ohms
Resistance to Top* (RTT)	< 10 <sup>7</sup> -10 <sup>8</sup> ohms
Wrist Strap Ground Cord	5 ft, 1 megohm resistor
Extension Ground Cord	5 ft
Worksurface Ground Cord	5 ft, 1 megohm resistor
Wrist Band	Fabric, Adjustable
Kit Includes	1 – 14 x 19 inch dissipative mat with one pocket 1 – 3M™ Adjustable Fabric Wrist Band 2204 1 – 3M™ Alligator Clip 3038 Lightweight Coiled Ground Cords: 1 – 3M™ Wrist Strap Ground Cord 2240, 5 ft. 1 – 3M™ Extension Ground Cord 2243, 5 ft. 1 – 3M™ Worksurface Ground Cord 3063, 5 ft. Instructions
Part Numbers	

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3M™ Portable Field Service Kit

\*Tested via ANSI/ESD S4.1. Meets ANSI/ESD 20.20-2007.

RTG is the resistance from one point on the mat's surface to the mat's ground point, and is the fundamental electrical test for a mat. A proper RTG insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-7.1 for RTG is 1x10<sup>6</sup> to 1x10<sup>9</sup> ohms. ANSI/ESD S-20.20 has an upper limit of <1x10<sup>9</sup> ohms.

RTT is the resistance from one point on the mat's surface to another point. A proper RTT insures the consistency of the mat's resistance properties. The ESD STM-7.1 guideline for RTT is >1x10<sup>6</sup> ohms.

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### Electronics Materials Solutions Division Static Control Products

926 JR Industrial Drive  
Sanford, NC 27332-9733  
Toll-Free: 866-722-3736  
International: 919-718-0000  
Email: [3mstaticinfo@mmm.com](mailto:3mstaticinfo@mmm.com)  
[www.3Mstatic.com](http://www.3Mstatic.com)

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