

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 ⁷ ohms
Resistance to Top* (RTT)	< 10 ⁷ -10 ⁸ 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	

8505

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 1x10⁶ to 1x10⁹ ohms. ANSI/ESD S-20.20 has an upper limit of <1x10⁹ 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 >1x10⁶ ohms.

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