

3M™ Field Service Kit Product Selection Guide

Features	Model
Premium	
Portable, 22 in. x 24 in. (55.9 cm x 61 cm), static dissipative, red worksurface, includes Wrist Strap Monitor 725 and dual conductor wrist strap	8507
Portable, 15 in. x 20 in. (38.1 cm x 50.8 cm), static dissipative, red, lightweight worksurface, includes adjustable fabric wrist strap and grounding accessories	8505
Standard	
Portable, 22 in. x 24 in. (55.9 cm x 61 cm), static dissipative, red worksurface, includes adjustable fabric wrist strap and grounding accessories	8501
8.75 in. x 24 in. (22.2 cm x 61 cm) static dissipative, red worksurface, includes adjustable fabric wrist strap and grounding accessories, installed in remote, unattended telephone switching enclosures	8502
Economy	
Portable, 24 in. x 24 in. (61 cm x 61 cm), static dissipative, red worksurface, includes adjustable fabric wrist strap and grounding accessories, low cost	FSKL3RD

Field Service Kits

Sensitive microelectronic components can be damaged, even destroyed, by one ever-present enemy — static electricity. Electronic equipment is especially susceptible to static electricity during servicing.

Static dissipative products manufactured by 3M are designed to provide protection at a variety of field service sites, from typical office environments to remote telephone terminals. The standard field service kit quickly and reliably removes any static charge on the technician and provides a durable, static-free surface upon which to lay parts. The

lightweight version offers the same protection in a flexible, compact package. The telephone terminal service kit is especially designed to be installed at remote telephone switches or CEVs to provide convenient static protection on-site.

Practicing proper static control in the field can save time, money and aggravation for both your customers and your company. Enable your technicians to do the job right the first time with a static dissipative portable field service kit from 3M.

3M™ Portable Field Service Kit (Premium Performance)

The 3M 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.



3M™ Portable Field Service Kit 8505

Product No.	Description
8505	<p>Lightweight Portable Field Service Kit</p> <p>Kit contains:</p> <ul style="list-style-type: none"> • Static Dissipative Worksurface with Pocket 0.015 H x 15 W x 20 in. L (0.38 mm x 38 cm x 51 cm) • 3M™ Adjustable Wrist Band 2204 • Lightweight Heavy-Duty Coiled Ground Cords: 3M™ Wrist Strap Ground Cord 2240, 5 ft. (1.5 m) 3M™ Extension Ground Cord 2243, 5 ft. (1.5 m) 3M™ Worksurface Ground Cord 3063, 5 ft. (1.5 m) • 3M™ Alligator Clip 3038

Custom logo imprinting on the worksurface is available.

8505 Properties

Typical Property	Value
Resistance: (Surface-to-ground)	1 x 10 ⁶ ohm to 1 x 10 ⁹ ohm

Tested per ESD Association Standard 4.1 at 72°F, 50% RH using 3M™ Test Kit 701 for Static Control Surfaces (Megohmmeter).

3M™ Portable Field Service Kit (Premium Performance)

The 3M Portable Field Service Kit 8507 with a 3M™ Wrist Strap Monitor 725 bundles together two static control products to give a field technician the same continuously monitored, static protected working environment as that enjoyed by workers in a manufacturing facility.



3M™ Portable Field Service Kit 8507

Product No.	Description
8507	<p>Portable Field Service Kit includes Wrist Strap Monitor 725 and Dual Conductor Wrist Strap</p> <p>Kit contains:</p> <ul style="list-style-type: none"> • Static Dissipative Worksurface, foldable, 0.021 H x 22 W x 24 in. L (0.53 mm x 56 cm x 61 cm) red with gray cotton edging. Two pockets, each 8 in. x 11 in. (20.3 cm x 28.0 cm), ground snap. • 3M™ Wrist Strap Monitor 725, 2.5 H x 2.6 W x 1.1 in. L (6.4 x 6.6 x 2.8 cm), black. Battery-powered, 9 V (not included). Ground cord, 6 ft. (1.8 m), with ground clip. Ground snap on unit to connect to the worksurface. • 3M™ Dual Conductor Adjustable Fabric Wrist Band 2368 • 3M™ Dual Conductor Coiled Cord 2370, 10 ft. (3.0 m)

3M™ Portable Field Service Kit (Standard Performance)

The 3M Portable Field Service Kit 8501 is designed to provide effective static protection in a compact package for the electronics field technician. The entire kit folds to a size that fits easily into most tool cases. Two pockets sewn into the worksurface provide storage for the cords.



3M™ Portable Field Service Kit 8501

Product No.	Description
8501	<p>Static Dissipative Portable Field Service Kit</p> <p>Kit includes:</p> <ul style="list-style-type: none"> • Static-Dissipative Worksurface 0.021 H x 22 W x 24 in. L (0.53 x 56 x 61 cm) • 3M™ Ground Cord Assembly 3051 • 3M™ Alligator Clip 3038 • 3M™ Adjustable Wrist Band 2204

Custom logo imprinting on the worksurface is available.

8501 Properties

Typical Property	Value
Resistance: (Surface-to-ground)	1 x 10 ⁶ ohm to 1 x 10 ⁹ ohm

Tested per ESD Association Standard 4.1 at 72°F, 50% RH using 3M™ Test Kit 701 for Static Control Surfaces (Megohmmeter).

Workstation Products

3M™ Telecommunications Field Service Kit (Standard Performance)

The 3M Static Dissipative Field Service Kit 8502 is a specially designed static dissipative kit for installation in remote, unattended telephone switching enclosures.

The worksurface has a strip of 3M Hook and Loop Fastener Tape stitched to the back so it can be left suspended from the permanently mounted instruction sign.



3M™ Static Dissipative Field Service Kit 8502

Product No.	Description
8502	<p>Static Dissipative Portable Field Service Kit for remote, unmanned telephone switching sites</p> <p>Kit includes:</p> <ul style="list-style-type: none"> • Static-Dissipative Worksurface 0.021 H x 22 W x 24 in. L (0.53 mm x 56 cm x 61 cm) (0.53 mm x 56 cm x 61 cm) with two pockets • Two 5 ft. (1.5 m) coiled ground cords; one for mat, one for wrist band • 3M™ Adjustable Wrist Band 2204 • Static Caution Sign • Plastic Instruction Sign

8502 Properties

Typical Property	Value
Resistance: (Surface-to-ground)	1 x 10 ⁶ ohm to 1 x 10 ⁹ ohm

Tested per ESD Association Standard 4.1 at 720F, 50% RH using 3M™ Test Kit 701 for Static Control Surfaces (Megohmmeter).

3M™ Field Service Kit

This Field Service Kit provides a complete, portable, static safe workstation for personnel working with electronics in the field. To stop static electricity from damaging electronic cards, a static safe work area is essential for field service technicians performing in-field repair or installation of cards. The Field Service Kit is used by technicians in telecommunications, computer, industrial controls and business equipment service applications. The entire kit folds to fit into most tool cases. Custom mat printing is available. Includes 24 in. x 24 in. (61 cm x 61 cm) mat with two pockets, wrist strap, ground cord and instructions.














3M™ Field Service Kit FSKL3RD

Product No.	Description
FSKL3RD	<p>Field Service Kit</p> <p>Kit includes:</p> <ul style="list-style-type: none"> 1 - 24 in. x 24 in. (61 cm x 61 cm) Mat with two pockets 1- Adjustable Fabric Wrist Band 1- 6 ft. Coiled Cord 1- Common Ground Cord, 15 ft. (4.6 m) with clip instructions

Properties

Product	Typical Value
Mat	3-layer, vinyl, red, 10 ⁷⁻⁸
Common Ground Cord	15 ft. (4.6 m), 1 meg resistor, bulldog clip
Coiled Cord	6 ft. (1.83 m), 1 meg resistor
Wrist Band	Fabric, adjustable

3M™ Workstation Products Selection Guide

Image	Product No.	Description
	3047	Common Point Grounding System, 10 ft. (3 m) to ground workstation components. Single-row, six-terminal strip, protective cover, three cable clips. Ground cord has a 1 megohm resistor.
	3048	Grounding System for 3M™ Wrist Strap/Table Mat. Easily snaps onto mats and runners, (10 mm snap); grounds two single conductor wrist straps. Comes complete with ring connector and 15 ft. (4.6 m) ground cord. Ground cord has a 1 megohm resistor for mat connection only.
	LPCGC151M LPCGC150M	This low profile common point ground cord is less obtrusive in the work area. The system connects two wrist straps and a work surface to ground. Holes are provided for permanent mounting to a bench. Available with either a 3/8 in. (10 mm) stud or socket that securely snaps the cord to the mat. A ring terminal connects the opposite end of the 15 ft. (4.6 m) cord to ground.
	3050	Snap Fastener, female, 10 mm diameter. For 3M™ Table and Floor Mats and Runners 8200 Series.
	3051	Ground Cord with center snap for standard field service kits. Wrist strap cord section 10 ft. (3.0 m) and ground cord section 5 ft. (1.5 m). Each contains a 1 megohm resistor.
	3057	Monitor Stand-By Jack. Allows operator to disconnect a ground cord from the wrist band and leave the workstation without deactivating the 3M™ Wrist Strap Workstation Monitor 724 or 3M™ Static Monitor 790.
	SP3010	Soldering Tool. 3M's SP3010 Soldering Tool will help you form component leads, probe circuit cards, and chase wire and leads. Tough glass-filled nylon plastic makes this tool durable and long lasting.
	SNAPTOOL	This simple-to-use tool attaches snaps to static mats. Three easy steps give you a secure snap with good electrical connection. Rugged and rust resistant, the snap tool allows you to put a grounding snap right where you need it.
	SNAPSOCKET3/8	Socket snaps are held in place by crimping the tip of an eyelet through the center of the socket with a snap tool. This traps the mat between the socket on the top of the mat and the eyelet on the back of the mat. 10 sockets and eyelets are included in each pack. Use with SNAPTOOL.
	SNAPSTUD3/8	Stud snaps are held in place by crimping the tip of an eyelet through the center of the stud with a snap tool. This traps the mat between the stud on the top of the mat and the eyelet on the back of the mat. 10 studs and eyelets are included in each pack. Use with SNAPTOOL.
	FPSNAP	Prong clinch snaps are held in place by putting the prongs through the mat and crimping them on the bottom of the mat. No special tools are needed.

Workstation Products

3M™ Accessories Selection Guide

Image	Product No.	Description
	723	Accessory Belt Clip to be used with the 3M™ Wrist Strap Monitor 725
	724P	Power Supply for 3M™ Wrist Strap Workstation Monitor 724 and 3M™ Static Monitor 790
	724VK	Monitor Verification Kit. Verifies the resistance range of the Workstation Monitor 724
	725VK	Monitor Verification Kit. Verifies the resistance range of the Wrist Strap Monitor 725
	732	Replacement Remote Input Jack. 6 ft. (1.8 m) long cord. To be used with Workstation Monitor 724.
	733	Remote Splitter Kit. 6 ft. (1.8 m) long cord. To be used with Workstation Monitor 724.
	740P	Power Supply for 3M™ Wrist Strap and Footwear Tester 740
	746P	Power Supply for 3M™ Wrist Strap Tester 746
	790VK	Verification Kit. One 5 ft. (1.5 m) Dual Conductor Cord 2360, one test wrist band socket assembly, and one two-wire male connector with 24 in. (0.61 m) lead wire.
	2380	Monitor/Table Mat Replacement Cord, 6 ft. (1.8 m), with 10 mm snap. Extends from the 3M™ Wrist Strap Workstation Monitor 724 to the static control worksurface to be monitored. This cord does not have a resistor molded into the snap fastener cap.
	2389	Monitor/Table Mat Interconnect Cord, 10 ft. (3 m), with 10 mm snap. A straight cord with male snap fasteners at each end and no resistors. Used to interconnect two monitored worksurfaces.

3M™ Accessories Selection Guide

Image	Product No.	Description
	3033	Snap Fastener, male, 0.125 in. (3.2 mm) hole, 10 mm diameter. For mats and runners. 1800/8800 Series.
	3034	Snap Fastener, female, 0.125 in. (3.2 mm) hole, 10 mm diameter. For 3M™ Mats and Runners 1800/8800 series.
	3037	Insulated Bulldog Clip. Fits standard banana plug.
	3038	Uninsulated Alligator Clip. Fits standard banana plug.
	3040	Ground Cord, 15 ft. (4.6 m), with 10 mm snap. Molded-in male snap fastener with integral 1 megohm resistor on one end, solderless terminal on other. Connects all 3M™ Static Control Mats and Runners to building ground.
	3041	Grounding Kit for 3M™ Static Protective Hard Laminate includes #10 screw, lock washer, #10 nut, lock washer wing nut, #10 self-tapping screw and one 10 ft. (3.0 m) ground cord. Ground cord has a 1 megohm resistor.
	3042	Wrist Strap Grounding System. Grounds two single conductor wrist straps and conveniently mounts beneath the edge of most work benches. Comes complete with 10 ft. (3.0 m) ground cord.
	3043	Interconnect Cord 5 ft. (3.5 m), with 10 mm snap. Molded-in male snap fastener at each end. Connects all static control mats and runners to each other. Ground cord has a 1 megohm resistor.
	CTA242	This remote terminal connects to WS Aware workstation monitors and provides connection for dual wire wrist straps for an operator and a visitor. Patented plug-in replaceable board with the jacks reduces cost of ownership of the monitor since only one inexpensive board needs to be replaced when the jacks are worn out, instead of the entire terminal.
	CTA243	Before sensitive devices are handled, Big Brother alarms alert the operator to plug-in. Once Big Brother senses that the operator is properly grounded the alarm is silenced. The Big Brother wrist strap terminal makes the WS Aware one of the most intelligent and cost-effective systems on the market today.
No Photo Available	CTA245	Replacement board with jacks for WS Aware remote monitors CTA242 and CTA243.
	FGC150M FGC151M	The low profile beveled cap prevents the cord from being accidentally removed from the mat. A 3/8 in. (10 mm) stud securely snaps to the mat, and at the other end of the 15 ft. (4.5 m) cord is a ring terminal.
	WSGR2	This metal grounding block accommodates two wrist straps and comes complete with mounting hardware. Designed to be mounted under the bench and keep the wrist strap connections safe. The integral 15 ft. (4.5 m) cord ends with a ring terminal. Two 4 mm parking studs hold coiled cords to reduce damage to cords left at the bench. No resistor.