

3M™ Ground Cord Product Selection Guide

Features	Model
Premium	
Ground Cord, 15 ft. (4.5 m) with 10 mm snap, connects mats to building ground, integral 1 megohm resistor	3040
Ground Kit for 3M Static Dissipative Laminate, 10 ft. (3.0 m) cord, integral 1 megohm resistor	3041
Common Point Grounding System for 2 wrist straps, 10 ft. (3.0 m) cord	3042
Interconnect Mat Cord, 5 ft. (1.5 m) with 10 mm snap at each end, connects mats to each other	3043
Common Point Grounding System for workstation components, single-row, six terminal strip, 10 ft. (3.0 m) ground cord, integral 1 megohm resistor	3047
Common Point Grounding System for 2 wrist straps and table mat, 15 ft. (4.5 m) cord, 10 mm snap, integral 1 megohm resistor	3048
Economy	
Ground Cord, 15 ft. (4.5 m) with 10 mm snap, connects mats to building ground, integral 1 megohm resistor, low cost	FGC151M
Common Point Grounding System for 2 wrist straps and table mat, 15 ft. (4.5 m) cord, 10 mm snap, integral 1 megohm resistor, low profile, low cost	LPCGC151M
Metal Grounding Block Common Point Grounding System for 2 wrist straps, 10 ft. (3.0 m) cord, low cost	WSGR2

3M™ Dissipative Rubber Mats and Rolls (Premium Performance)

3M Static Dissipative Rubber Mats and Rolls 8800 Series consist of a top layer of static dissipative rubber laminated to a bottom layer of conductive rubber. Both layers are made from vulcanized synthetic rubber, which offers excellent resistance to oil, grease and most common solvents. They offer superior resistance to heat and hot solder as compared to vinyl or olefinic materials. Non-standard sizes are available on a custom order basis. Compatible with constant monitors.

3M™ Floor Mats 8870 Series

Dissipative floor mats include one 15 ft. (4.6 m) 3M™ Ground Cord 3040 and two 3M™ Snap Fasteners 3034 (installed).

3M™ Floor Rolls 8880/8890 Series

Dissipative floor rolls include two 15 ft. (4.6 m) 3M Ground Cords 3040 and five 3M Snap Fasteners 3034 to be installed by user.

Note: 8890 Series – no hardware included.

3M™ Table Mats 8810/8830/88A/88B Series

Dissipative table mats include two 3M™ Snap Fasteners 3034 (installed) and one 3M™ Wrist Strap Grounding System 3048.

3M™ Table Rolls 8800/8820/8840/8850/8860 Series

Dissipative table rolls include two 15 ft. (4.6 m) 3M Ground Cords 3040 and five 3M Snap Fasteners 3034 to be installed by the user.

Note: 8800, 8820 and 8850 – no hardware included.



3M™ Static Dissipative Rubber Mat

Meets the requirement of ESD Standard 4.1, ESD Standard 20.20, EIA 625, MIL-HDBK-263, and MIL-STD-1686. RTG: 10⁷ ohm; RTT: 10⁷; Thickness: .065 in. Compatible with constant monitors.

Properties

Property	Typical Value
Material	Top and Bottom Layers — Nitrile™ Rubber
Thickness	0.065 in. (1.7 mm)
Hardness	60 Shore A
*Resistance	
(Surface to Ground)	5 x 10 ⁶ ohm
(Surface to Surface)	1 x 10 ⁶ ohm

* Tested per ESD Association Standard S4.1 at 72°F, 50% RH using 3M™ Test Kit 701 for Static Control Surfaces (Megohmmeter).

** Note: Green mat table/runner identifies work surface as a lead-free area.

Product No.	Description	Size, ft.	(m)
8800	Table Roll, No Hardware, Gray	2 x 40	(0.6 x 12.2)
8801	Table Roll, No Hardware, Blue	2 x 40	(0.6 x 12.2)
8802	Table Roll, No Hardware, Green	2 x 40	(0.6 x 12.2)
8810	Table Mat, Gray	2 x 4	(0.6 x 1.2)
8811	Table Mat, Blue	2 x 4	(0.6 x 1.2)
8812**	Table Mat, Green	2 x 4	(0.6 x 1.2)
8820	Table Roll, No Hardware, Gray	2.5 x 40	(0.75 x 12.2)
8821	Table Roll, No Hardware, Blue	2.5 x 40	(0.75 x 12.2)
8822	Table Roll, No Hardware, Green	2.5 x 40	(0.75 x 12.2)
8830	Table Mat, Gray	3 x 4	(0.9 x 1.2)
8831	Table Mat, Blue	3 x 4	(0.9 x 1.2)
8832	Table Mat, Green	3 x 4	(0.9 x 1.2)
8840	Table Roll, Gray	2 x 24	(0.6 x 7.2)
8841	Table Roll, Blue	2 x 24	(0.6 x 7.2)
8842**	Table Roll, Green	2 x 24	(0.6 x 7.2)
8850	Table Roll, No Hardware, Gray	3 x 40	(0.9 x 12.2)
8851	Table Roll, No Hardware, Blue	3 x 40	(0.9 x 12.2)



Workstation Products

Product No.	Description	Size, ft.	(m)
8852	Table Roll, No Hardware, Green	3 x 40	(0.9 x 12.2)
8860	Table Roll, Gray	3 x 24	(0.9 x 7.2)
8861	Table Roll, Blue	3 x 24	(0.9 x 7.2)
8862	Table Roll, Green	3 x 24	(0.9 x 7.2)
8870	Floor Mat, Gray	4 x 6	(1.2 x 1.8)
8871	Floor Mat, Blue	4 x 6	(1.2 x 1.8)
8872	Floor Mat, Green	4 x 6	(1.2 x 1.8)
8880	Floor Roll, Gray	4 x 24	(1.2 x 7.2)
8881	Floor Roll, Blue	4 x 24	(1.2 x 7.2)
8882	Floor Roll, Green	4 x 24	(1.2 x 7.2)
8890	Floor Roll, No Hardware, Gray	4 x 40	(1.2 x 12.2)
8891	Floor Roll, No Hardware, Blue	4 x 40	(1.2 x 12.2)
8892	Floor Roll, No Hardware, Green	4 x 40	(1.2 x 12.2)
88A0	Table Mat, Gray	2 x 3	(0.6 x 0.9)
88A1	Table Mat, Blue	2 x 3	(0.6 x 0.9)
88A2	Table Mat, Green	2 x 3	(0.6 x 0.9)
88B0	Table Mat, Gray	2 x 2	(0.6 x 0.6)
88B1	Table Mat, Blue	2 x 2	(0.6 x 0.6)
88B2	Table Mat, Green	2 x 2	(0.6 x 0.6)

Non-standard sizes available on custom order basis up to 50 ft. (15.2 m) maximum length.



Product Referral Generator

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3M™ Dissipative Vinyl Three-Layer Mats and Rolls (Premium Performance)

3M Mats and Rolls 8200 Series are soft table and floor mats with a unique three-layer construction. The top layer is durable static dissipative vinyl, which has sufficiently low resistance to discharge static-laden conductors, yet will prevent the shorting of pins on the backs of printed circuit boards laid on the mat. The middle layer is a highly conductive scrim that provides the main discharge path to ground, and the bottom layer is static dissipative foam, providing a durable nonskid cushion. Non-standard sizes are available on a custom order basis. Compatible with constant monitors.

3M™ Floor Mats 8200 Series

Includes one 15 ft. (4.6 m) 3M™ Ground Cord 3040 and two 3M™ Snap Fasteners 3050 (installed).

3M™ Floor Rolls 8250, 8290, 82A Series

Includes two 15 ft. (4.6 m) 3M Ground Cords 3040 and two 3M Snap Fasteners 3050 to be installed by customer.

Note: 8290 and 82A – no hardware included.

3M™ Table Mats 8210 + 8220 Series

Includes two 3M Snap Fasteners 3050 (installed) and one 3M™ Wrist Strap Grounding System 3048. Wrist Straps must be ordered separately.

3M™ Table Rolls 8230, 8240, 8260, 8270, 8280 Series

Includes two 15 ft. (4.6 m) 3M Ground Cords 3040 and two 3M Snap Fasteners 3050 to be installed by user.

Note: 8230, 8240, 8270 and 8280 – no hardware included.



3M™ Mats and Rolls 8200 Series

Properties

Property	Typical Value
Material	Top and Bottom Layers — Vinyl
Thickness	0.138 in. (3.5 mm)
Hardness	40 – 50 Shore A
*Resistance	
(Surface to Ground)	1 x 10 ⁷ ohm
(Surface to Surface)	4 x 10 ⁷ ohm

* Tested per ESD Association Standard S4.1 at 72°F, 50% RH using 3M™ Test Kit 701 for Static Control Surfaces (Megohmmeter).

Note: Non-standard sizes available on custom order basis up to 50 ft. (15.2 m) maximum length.

Workstation Products

Product No.	Description	Size, ft.	(m)
8201	Floor Mat, Brown	4 x 6	(1.2 x 1.8)
8203	Floor Mat, Gray	4 x 6	(1.2 x 1.8)
8204	Floor Mat, Blue	4 x 6	(1.2 x 1.8)
8211	Table Mat, Brown	2 x 4	(0.6 x 1.2)
8213	Table Mat, Gray	2 x 4	(0.6 x 1.2)
8214	Table Mat, Blue	2 x 4	(0.6 x 1.2)
8221	Table Mat, Brown	2 x 3	(0.6 x 0.9)
8223	Table Mat, Gray	2 x 3	(0.6 x 0.9)
8224	Table Mat, Blue	2 x 3	(0.6 x 0.9)
8231	Table Roll, No Hardware, Brown	2 x 50	(0.6 x 15.0)
8233	Table Roll, No Hardware, Gray	2 x 50	(0.6 x 15.0)
8234	Table Roll, No Hardware, Blue	2 x 50	(0.6 x 15.0)
8241	Table Roll, No Hardware, Brown	2.5 x 50	(0.75 x 15.0)
8243	Table Roll, No Hardware, Gray	2.5 x 50	(0.75 x 15.0)
8244	Table Roll, No Hardware, Blue	2.5 x 50	(0.75 x 15.0)
8251	Floor Roll, Brown	4 x 24	(1.2 x 7.2)
8253	Floor Roll, Gray	4 x 24	(1.2 x 7.2)

Product No.	Description	Size, ft.	(m)
8254	Floor Roll, Blue	4 x 24	(1.2 x 7.2)
8261	Table Roll, Brown	2 x 24	(0.6 x 7.2)
8263	Table Roll, Gray	2 x 24	(0.6 x 7.2)
8264	Table Roll, Blue	2 x 24	(0.6 x 7.2)
8271	Table Roll, No Hardware, Brown	3 x 50	(0.9 x 15.0)
8273	Table Roll, No Hardware, Gray	3 x 50	(0.9 x 15.0)
8274	Table Roll, No Hardware, Blue	3 x 50	(0.9 x 15.0)
82A1	Floor Roll, No Hardware, Brown	4 x 50	(1.2 x 15.0)
82A3	Floor Roll, No Hardware, Gray	4 x 50	(1.2 x 15.0)
82A4	Floor Roll, No Hardware, Blue	4 x 50	(1.2 x 15.0)
8281	Table Roll, No Hardware, Brown	2 x 40	(0.6 x 12.2)
8283	Table Roll, No Hardware, Gray	2 x 40	(0.6 x 12.2)
8284	Table Roll, No Hardware, Blue	2 x 40	(0.6 x 12.2)
8291	Floor Roll, No Hardware, Brown	4 x 40	(1.2 x 12.2)
8293	Floor Roll, No Hardware, Gray	4 x 40	(1.2 x 12.2)
8294	Floor Roll, No Hardware, Blue	4 x 40	(1.2 x 12.2)

The requirements of ESD Standard 4.1, ESD Standard 20.20, EIA 625, MIL-HDBK-263, and MIL-STD-1686. RTG: 10⁷ ohm; RTT: 10⁷; Thickness: .0125 in. Compatible with Constant Monitors.