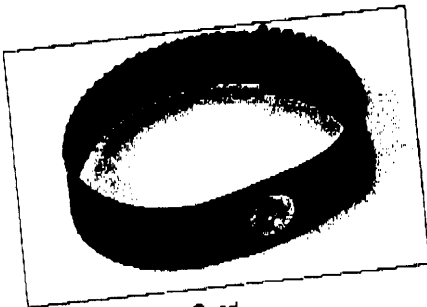


Wrist Straps and Other Grounding Systems

NEW

The NEW 3M™ 4600 Series Adjustable Wrist Straps feature a thermoplastic band with an integrally molded conductive interior. It comes with an easy on/easy off adjustable "zipper" style latching mechanism and is available in five highly visible colors. The 4600 Series is available with 4 mm, 7 mm or 10 mm snaps and either 5 ft. or 10 ft. ground cords.



4600 Series Wrist Band

Product No. Description

4610	Ground Cord, Coiled, 5 ft. (1.5 m), 4 mm snap end
4611	Ground Cord, Coiled, 10 ft. (3.0 m), 4 mm snap end
4612	Ground Cord, Coiled, 5 ft. (1.5 m), 7 mm snap end
4613	Ground Cord, Coiled, 10 ft. (3.0 m), 7 mm snap end
4614	Ground Cord, Coiled, 5 ft. (1.5 m), 10 mm snap end
4615	Ground Cord, Coiled, 10 ft. (3.0 m), 10 mm snap end

Product No. Color Description

4620	Blue	Wrist Band with 4 mm stud.
4621	Green	Wrist Band with 4 mm stud.
4622	Purple	Wrist Band with 4 mm stud.
4623	Maroon	Wrist Band with 4 mm stud.
4624	Lime	Wrist Band with 4 mm stud.
4629	Mixed Colors	Five of each color packed in carton.

4630	Blue	Wrist Band with 7 mm stud.
4631	Green	Wrist Band with 7 mm stud.
4632	Purple	Wrist Band with 7 mm stud.
4633	Maroon	Wrist Band with 7 mm stud.
4634	Lime	Wrist Band with 7 mm stud.
4639	Mixed Colors	Five of each color packed in carton.

Product No.	Color	Description
4640	Blue	Wrist Band with 10 mm stud.
4641	Green	Wrist Band with 10 mm stud.
4642	Purple	Wrist Band with 10 mm stud.
4643	Maroon	Wrist Band with 10 mm stud.
4644	Lime	Wrist Band with 10 mm stud.
4649	Mixed Colors	Five of each color packed in carton

Product No.	Color	Description
4650	Blue	Wrist Band with 5 ft. coiled cord, 4 mm stud.
4651	Green	Wrist Band with 5 ft. coiled cord, 4 mm stud.
4652	Purple	Wrist Band with 5 ft. coiled cord, 4 mm stud.
4653	Maroon	Wrist Band with 5 ft. coiled cord, 4 mm stud.
4654	Lime	Wrist Band with 5 ft. coiled cord, 4 mm stud.
4659	Mixed Colors	Wrist Band with 5 ft. coiled cord, 4 mm stud.

4660	Blue	Wrist Band with 5 ft. coiled cord, 7 mm stud.
4661	Green	Wrist Band with 5 ft. coiled cord, 7 mm stud.
4662	Purple	Wrist Band with 5 ft. coiled cord, 7 mm stud.
4663	Maroon	Wrist Band with 5 ft. coiled cord, 7 mm stud.
4664	Lime	Wrist Band with 5 ft. coiled cord, 7 mm stud.
4669	Mixed Colors	Wrist Band with 5 ft. coiled cord, 7 mm stud.

4670	Blue	Wrist Band with 5 ft. coiled cord, 10 mm stud.
4671	Green	Wrist Band with 5 ft. coiled cord, 10 mm stud.
4672	Purple	Wrist Band with 5 ft. coiled cord, 10 mm stud.
4673	Maroon	Wrist Band with 5 ft. coiled cord, 10 mm stud.
4674	Lime	Wrist Band with 5 ft. coiled cord, 10 mm stud.
4679	Mixed Colors	Wrist Band with 5 ft. coiled cord, 10 mm stud.

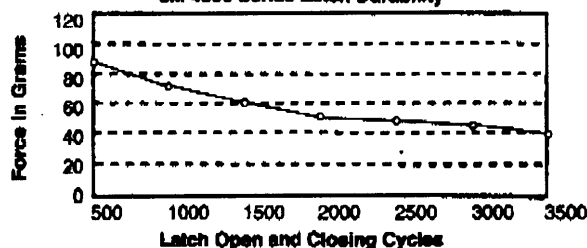
2 Items

For your nearest distributor, or to order, call 3M Customer Service at 1-800-328-1368.

4800 Grounding Cord Properties

Grounding Cord	Typical Value
Tensile Strength	> 15 lbs.
Average Termination flex life per ESD S1.1 and MIL-PRF-87893	> 200,000 flexes
Resistance End-to-end	1M Ω $\pm$ 20%
Resistor Type	1M Ω -metal film $\pm$ 20%

3M 4800 Series Latch Durability



4600 Wrist Band Properties

Wrist Strap	Typical Value
Wrist Band Size	Adjustable, small/large, trim to size 1.7 to 2.7 in dia.
Resistance - Inside/Outside	> 100M Ω
Cleanable	Water/mild detergent or 10% isopropyl solution

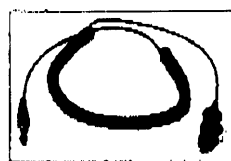
3M™ 2210, 2220 and 2240 Wrist Strap Ground Cords are highly durable with segmented strain relief, and a single bundle of tinsel conductors laced for great strength and reinforced with strong synthetic fibers. These features provide long cord life and easy movement. Each cord has a 1 megohm resistor molded into the snap end.



2210 Ground Cord



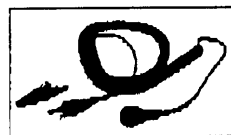
2220 Ground Cord



2243 Extension Ground Cord



2240 Ground Cord



2248 Ground Cord

Product No.	Description
2210	Ground Cord, coiled 5 ft. (1.5 m) practical extended length.
2220	Ground Cord, coiled 10 ft. (3.0 m) practical extended length.
2240	Ground Cord, lightweight, heavy-duty, coiled, 5 ft. (1.5 m) practical extended length.
2248	Ground Cord, lightweight, heavy-duty, coiled, 10 ft. (3.0 m) practical extended length.
2243	Extension Ground Cord, lightweight, heavy-duty, coiled, 5 ft. (1.5 m) practical extended length. Can be used to extend any banana-plug type 3M ground cord.
2250	Ground Cord, Coiled, 5 ft. (1.5 m).
2270	Highland™ Ground Cord, 5 ft. (1.5 m).
4610	Ground Cord, Coiled, 5 ft. (1.5 m), 4 mm snap end.
4611	Ground Cord, Coiled, 10 ft. (3.0 m), 4 mm snap end.
4612	Ground Cord, Coiled, 5 ft. (1.5 m), 7 mm snap end.
4613	Ground Cord, Coiled, 10 ft. (3.0 m), 7 mm snap end.
4614	Ground Cord, Coiled, 5 ft. (1.5 m), 10 mm snap end.
4615	Ground Cord, Coiled, 10 ft. (3.0 m), 10 mm snap end.