

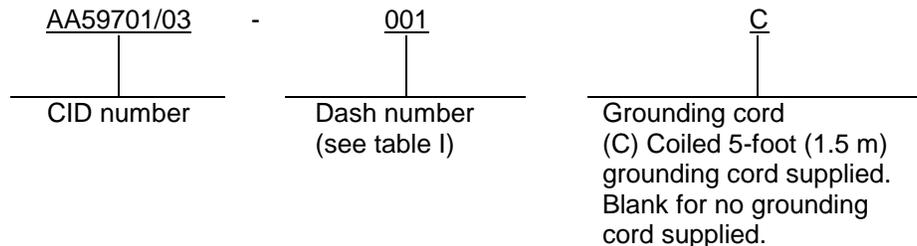
COMMERCIAL ITEM DESCRIPTION

WRIST STRAP, SINGLE CONDUCTOR, ADJUSTABLE, THERMOPLASTIC, ELECTROSTATIC DISCHARGE WITH OPTIONAL GROUNDING CORD

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

The complete requirements for procuring the wrist straps described herein shall consist of this document and the issue in effect of CID A-A-59701.

CLASSIFICATION. This CID uses a classification system that is included in the Part Identification Number (PIN) as shown in the following example (see notes).



SALIENT CHARACTERISTICS.

Interface and physical dimensions. Wrist straps supplied to this CID shall meet or exceed the application requirements of American National Standard/Electrostatic Discharge Association (ANSI/ESD) standard number S1.1, ANSI/ESD S20.20 and Electronic Industries Alliance (EIA) JESD 625-A (see figure 1).

Interior wrist strap insert. This wrist strap shall have an integrally molded conductive interior insert.

Exterior wrist strap material. The wrist strap's exterior material shall be molded insulative thermoplastic.

Wrist strap color. The wrist strap color shall be as specified in table I.

Wrist strap size. The wrist strap shall be adjustable to a wrist size of 5.3 inch to 8.5 inch (135 mm to 216 mm) in circumference.

Single conductor. This wrist strap shall be of the single conductor type.

Male snap size. This male snap shall be as specified in table I.

Coiled grounding cord. If a single conductor, coiled grounding cord is provided, the following shall apply.

Grounding cord length. The minimum working length of the grounding cord shall be 5 feet (1.5 m).

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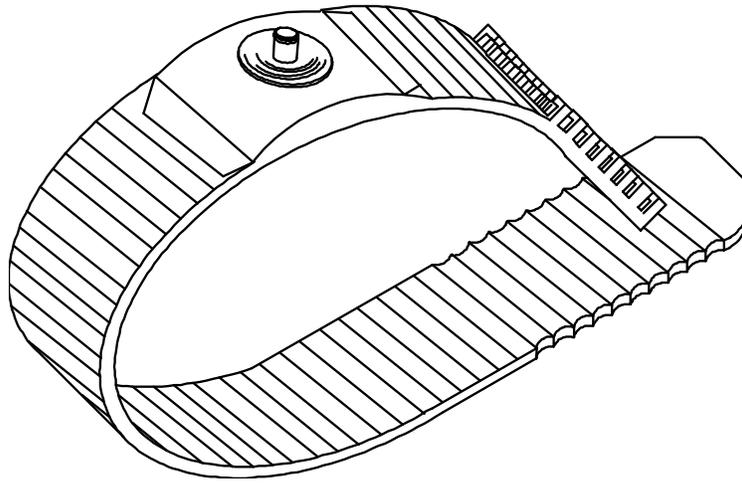


FIGURE 1. Configuration and dimensions.

TABLE I. Characteristics.

CID dash number AA59701/03-	Male snap size	Color	Grounding cord
001	4 mm	Blue	No grounding cord included.
001C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
002	4 mm	Green	No grounding cord included.
002C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
003	4 mm	Purple	No grounding cord included.
003C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
004	4 mm	Maroon	No grounding cord included.
004C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
005	4 mm	Lime	No grounding cord included.
005C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
006	7 mm	Blue	No grounding cord included.
006C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
007	7 mm	Green	No grounding cord included.
007C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
008	7 mm	Purple	No grounding cord included.
008C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
009	7 mm	Maroon	No grounding cord included.
009C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
010	7 mm	Lime	No grounding cord included.
010C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
011	10 mm	Blue	No grounding cord included.
011C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
012	10 mm	Green	No grounding cord included.
012C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
013	10 mm	Purple	No grounding cord included.
013C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
014	10 mm	Maroon	No grounding cord included.
014C			Supplied with a 5-foot (1.5 m) coiled grounding cord.
015	10 mm	Lime	No grounding cord included.
015C			Supplied with a 5-foot (1.5 m) coiled grounding cord.

Resistance end-to-end. The resistance end-to-end of the grounding cord shall be 1M ohm \pm 20 percent.

Tensile strength. The grounding cord shall have a tensile strength greater than 15 pounds.

Average termination flex life. The average termination flex life of the grounding cord shall be greater than 200,000 flexes.

Alligator clip. All coiled grounding cords shall be supplied with an alligator clip, which fits over the installed banana jack, to provide an alternative ground attachment method.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See classification information for PIN format example.

Source of documents.

Other Publications

AMERICAN NATIONAL STANDARDS INSTITUTE/ELECTROSTATIC DISCHARGE ASSOCIATION (ANSI/ESD)

ANSI/ESD S1.1 - Evaluation, Acceptance, and Functional Testing of Wrist Straps.

ANSI/ESD S20.20 - Development of an Electrostatic Discharge Control Program.

(Application for copies should be addressed to the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.)

ELECTRONIC INDUSTRIES ALLIANCE (EIA)

JESD 625-A - Requirements for Handling Electrostatic - Discharge - Sensitive (ESDS) Devices.

(Application for copies should be addressed to the Electronic Industries Alliance, 2500 Wilson Boulevard, Arlington, VA 60062-2096.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
20999	3M Electronic Handling & Protection Division Austin, TX 78726-9000 Phone number (800) 328-1368 Facsimile number (800) 858-9136 E-mail: bgcollins1@mmm.com Uniform Resource Locator (URL): www.3m.com/market/electronic/ehpd/

Part number (P/N) supersession data. These CID part numbers supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE II. P/N supersession data.

CID dash number (see table I)	MFR's CAGE	MFR's P/N ^{1/}	CID dash number (see table I)	MFR's CAGE	MFR's P/N ^{1/}
AA59701/03-			AA59701/03-		
001	20999	98-0798-3488-7	008C	20999	98-0798-3510-8
001C	20999	98-0798-3503-3	009	20999	98-0798-3496-0
002	20999	98-0798-3489-5	009C	20999	98-0798-3511-6
002C	20999	98-0798-3504-1	010	20999	98-0798-3497-8
003	20999	98-0798-3490-3	010C	20999	98-0798-3512-4
003C	20999	98-0798-3505-8	011	20999	98-0798-3498-6
004	20999	98-0798-3491-1	011C	20999	98-0798-3513-2
004C	20999	98-0798-3506-6	012	20999	98-0798-3499-4
005	20999	98-0798-3492-9	012C	20999	98-0798-3514-0
005C	20999	98-0798-3507-4	013	20999	98-0798-3500-9
006	20999	98-0798-3493-7	013C	20999	98-0798-3515-7
006C	20999	98-0798-3508-2	014	20999	98-0798-3501-7
007	20999	98-0798-3494-5	014C	20999	98-0798-3516-5
007C	20999	98-0798-3509-0	015	20999	98-0798-3502-5
008	20999	98-0798-3495-2	015C	20999	98-0798-3517-3

^{1/} The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown. For actual part marking requirements see 3.2 of A-A-59701.

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5920-0736-03