

INCH-POUND

A-A-55522A

30 November 2001**SUPERSEDING**

A-A-55522

28 April 1997

COMMERCIAL ITEM DESCRIPTION**BARBED TAPE, CONCERTINA**

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

1. **SCOPE.** This CID covers concertina barbed tape herein known as concertina, for barbed tape entanglements. These entanglements may serve as a tactical personnel obstacle for temporary military positions.
2. **SALIENT CHARACTERISTICS.**
 - 2.1 **Material.** The concertina shall be made of material as specified below and shall be subject to all provisions of this CID:
 - a. Barbed tape – Galvanized steel wire per ASTM A653, G60 – G90 coating.
 - b. Core wire – Galvanized steel wire per ASTM A764, Finish 2, Class II, Type B, with a minimum tensile strength of 220,000 psi.
 - 2.2 **Design and construction.** Concertina shall be designed and constructed to conform to the requirements specified herein and in table 1. Concertina shall be capable of being rapidly and easily deployed and recovered for barbed wire entanglements. Concertina shall consist of a coil of single-strand-core wire fitted with barbed tape. When extended to a coil the concertina shall be placed in spiral turns connected by clips so as to form a cylindrical diamond pattern. One end turn of coil shall be fitted with four bundling wires for securing the coil when closed, and each turn shall be fitted with two carrying loops.

Table 1. Dash number and design characteristics.

Dash Number	Diameter at the centerline in. (mm)	Length per roll extended ft (mm)	Minimum Number of loops per roll	Maximum overall height (laid flat)
1	36 (914) \pm 1 (25.4)	50 (15) \pm 1 (.3)	50	12 (305)
2	40 (1016) \pm 1 (25.4)			

1/ feet = ft, meter = m

- 2.3 **Carrying Loops.** Two diametrically opposite carrying loops shall be attached to each one end turn. The carrying loops shall provide a hand grasp area of at least 6 inches (152 mm) in length by 3 inches (76 mm) in width.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Commander, Defense Supply Center Philadelphia, ATTN: DSCP-ITD, 700 Robbins Avenue, Philadelphia Pa. 19111-5096.

AMSC N/A

FSC 5660

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- 2.4 Bundling wire. The four bundling wires shall be permanently attached to end turn of the concertina, one near each carrying loop, and two approximately 90° from the carrying loops. The wire shall be wrapped once around the coil and both ends shall be securely twisted together leaving not less than 2 inches free for untying of the concertina.
- 2.5 Concertina furnished, as a minimum, shall be able to withstand the following tests:
- 2.5.1 Clinching barbed tape. The barbed tape shall be continuously clinched around the core wire. The barbed tape shall not disengage from the core wire when a force of 100 pounds (445 newtons) is applied to the unsupported barb of concertina.
- 2.5.2 Corrosion resistance. A 6 inch (152 millimeters) long piece of concertina and a clip shall be subject to a continuous salt spray test in accordance with ASTM B117, for not less than 120 hours. No signs of blistering, white corrosion or base metal corrosion products shall be apparent on the concertina at the conclusion of the test.

3. QUALITY CONFORMANCE PROVISIONS.

- 3.1 Product conformance. The product provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and the quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

4. NOTES.

- 4.1 Unless otherwise specified, all dimensions are in inches.
- 4.2 Unless otherwise specified in the contract or purchase order, packaging shall be in accordance with ASTM D3951.
- 4.3 The following part or identification numbering procedure is for government purposes and does not constitute a requirement for the contractor. The Part Identification Number (PIN) shall consist of the basis Commercial Item Description number followed by a dash number from table 1:

EXAMPLE: AA55522 - 1

Dash number from table 1

Basic CID number

- 4.4 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Military interest:

Custodians:
Air Force – 99
DLA - IS

Preparing Activity:
DLA – IS
(Project 5660 – 0125)