

[INCH-POUND]  
A-A-55522  
April 28, 1997  
SUPERSEDING  
MIL-B-52489E  
26 March 1987

## 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 selected by the manufacturer and shall be subject to all provisions of this CID. The concertina shall be fabricated from compatible materials, inherently corrosion resistant or treated to provide against corrosion and deterioration during storage and operational conditions. Whatever materials used shall not cause the end product to produce glare. Concertina shall be capable of being rapidly and easily deployed and recovered for barbed wire entanglements. Dissimilar metals shall not be used in intimate contact with each other unless protected against galvanic corrosion.

2.1.1 **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 122 hours. No signs of blistering, white corrosion or base metal corrosion products shall be apparent on the concertina. The appearance of corrosion products visible to the unaided eye at normal reading distance shall be cause for rejection, except for white corrosion products at the edge of the specimen(s).

2.2 **Design and construction.** Unless otherwise specified (see 6.1) the concertina shall be designed and constructed to conform to the requirements specified herein and in table I. The 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 the coil shall be fitted with four bundling wires for securing the coil when closed, and each turn shall be fitted with two carrying loops.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be letter to: Defense Logistic Agency, Defense Supply Center Columbus, ATTN: DSCC-VAI, Columbus, OH, 43216-5222.
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TABLE I. Design characteristics.

Diameter at the centerline (minimum/maximum)	Length per roll (extended)	Minimum number of loops per roll	Maximum overall height (laid flat)	Minimum tensile strength (core wire material)
in. (mm)	ft (m) <u>1/</u>	minimum	in (mm)	psi (MPa) <u>2/</u>
36 (914) / 42 (1216)	52 (15)	52	12 (325)	222 222 (1517)

1/ feet = ft, meter = m

2/ pounds per square inch = psi, megapascal = MPa

2.3 Carrying loops. Two diametrically opposite carrying loops shall be attached to each 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.

2.4 Bundling wire. The four bundling wires shall be permanently attached to one end turn of the concertina, one near each carrying loop, and two approximately 92 ° 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 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 122 pounds (445 newtons) is applied to the unsupported barb of concertina.

2.6 Identification markings. Unless otherwise specified (see 6.1), identification and marking shall be permanent and legible and shall include, as a minimum, the manufacturer's identification code (CAGE), Part Identifying Number (PIN), and the National Stock Number (NSN).

3. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.423 of the Federal Acquisition Regulation (FAR).

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards and 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.

4.2 Contractor Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

5. PACKAGING Preservation, packing, and marking shall be as specified in the contract or order (see 6.1).

#### 6. NOTES

(This section contains information of a general and explanatory nature that may be helpful, but is not mandatory.)

6.1 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this CID.
- b. Issue of Department of Defense Index of Specifications and Standards (DoDISS) to be cited in the solicitation, and if required, the specific issue of individual documents referenced.
- c. If design and construction is other than as specified.
- d. If identification and marking is other than as specified.
- e. PIN and quantity required.
- f. Selection of applicable level of packaging required.

6.2 Referenced documents. ASTM documents are available from the American Society for Testing and Materials, 122 Barr Harbor Drive, West Conshohocken, PA 19428-2959, CFR documents are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 22422.

MILITARY INTERESTS:

Custodians:

Army - AT

Navy - YD1

Air Force - 99

Review Activity:

Air Force - 84

CIVIL AGENCY COORDINATING ACTIVITY:  
GSA-FSS

Preparing Activity:

DLA - CC

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