METRIC
A-A-52477
June 8, 1994
SUPERSEDING
MS53059A(MO)
16 December 1964

COMMERCIAL ITEM DESCRIPTION

CABLE AND CONDUIT ASSEMBLY, PARKING BRAKE-LOOP TYPE, EYE END FITTING (METRIC)

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers two sizes of parking brake cable and conduit assemblies with loop-type eye end fittings. The cable and conduit assembly is capable of withstanding a load of 910 kilogram (kg).

2. SALIENT CHARACTERISTICS.

2.1 Materials. Unless otherwise specified herein, the contractor shall certify that the material is the same as, or better than, the material used to manufacture commercial products that parallel the functions of the items covered by this CID. The use of recovered materials made in compliance with
regulatory requirements is acceptable providing that all requirements of this CID are met (see note 5.5).

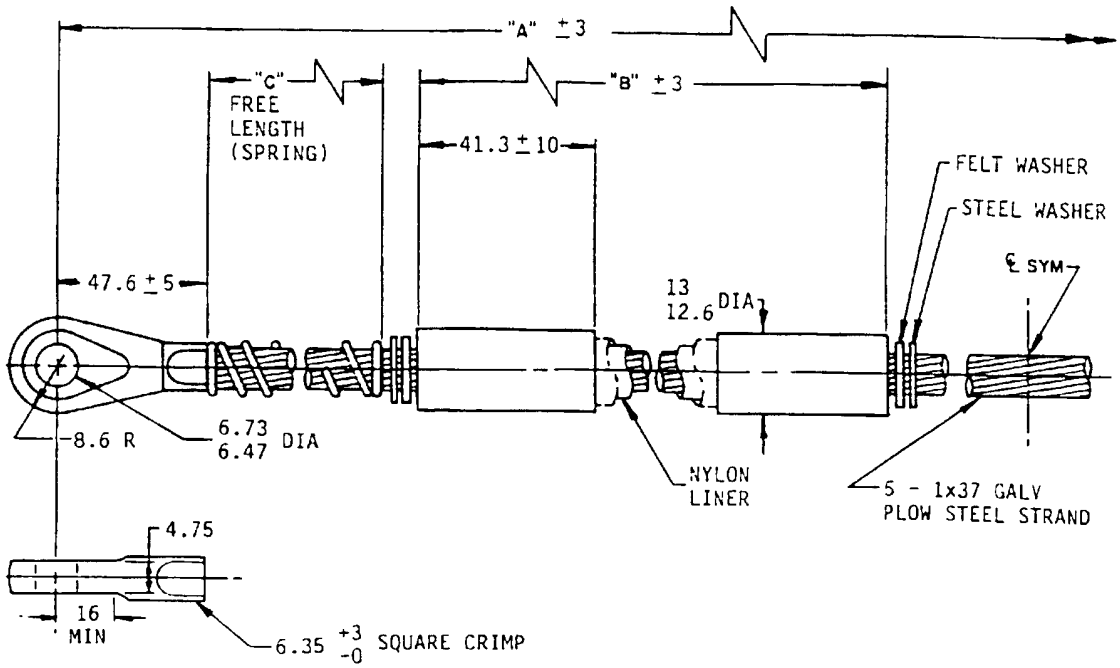
2.2 Design and construction. The parking brake loop-type cable and conduit assembly with eye end fittings on both ends shall be designed and constructed in accordance with figure 1.

2.3 Plating. Unless otherwise specified, all steel parts shall be zinc plated in accordance with ASTM B633, minimum thickness of plating 12 micrometers.

2.4 Grease. Conduit shall be packed at assembly with grease. The grease shall be lubricant type and shall withstand temperatures of -54 degrees Celsius (°C) (see note 5.2).

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-automotive Command, ATTN: AMSTA- GDS, Warren, MI 48397-5000.

FSC 2530



PIN	Former MS part no.	"A" DIM	"B" DIM	"C" DIM
A52477-1	MS53059-1	2267	533	76
A52477-2	MS53059-2	2635	660	-

NOTE: Dimensions are in millimeters. Unless otherwise specified, tolerances are ± .76.

FIGURE 1. Cable and conduit assembly with loop type, eye end fitting.

2.5 Performance. Each cable and conduit assembly shall be pre-stretched under a load of 454 kg. The cable assembly shall be capable of withstanding a load of 910 kg sustained for a period of two hours with a maximum permissible slippage of each end fitting with respect to the cable of .4 millimeter (mm). With load applied, the cable outer sheath shall not show any lateral displacement or permanent deformation of conduit. The outside diameters of conduit coils shall remain in-line.

2.6 Identification markings. Identification markings shall be permanent and legible and shall include, as a minimum, the manufacturer's CAGE code, part number, and the part identification number (PIN) (see figure 1 and note 5.3).

3. QUALITY ASSURANCE PROVISIONS.

3.1 Responsibility for inspection. The contractor is responsible for the performance of all inspections (examinations and tests).

3.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specifications, workmanship standards, and quality assurance practices. Items with known defects shall not be submitted for Government acceptance. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

4. PRESERVATION, PACKAGING, PACKING, LABELING, AND MARKING. Preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order (see note 5.2).

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

5.1 Addresses for obtaining copies of referenced documents.

5.1.1 Government specifications. Copies of MIL-G-23827 "Grease, Aircraft and Instrument, Gear and Actuator Screw" are available from the Navy Publication and Printing Service Office, Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

5.1.2 Industry specifications. Copies of ASTM B633 "Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel" are available from the American Society for Testing Materials, 1916 Race Street, Philadelphia, PA 19103.

5.2 Ordering data. Acquisition documents must 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. Part or identification number (PIN).
d. Selection of applicable level and packaging requirements.
e. When temperature is lower than -54°C use MIL-G-23827 for grease lubricant.

5.3 Part identification number (PIN). The PINs to be used for cable and conduit assemblies acquired to this CID are created as follows:

A 52477 - X

X — Number designation for size (see figure 1).

52477 — CID number.

A — Designates a CID.

5.4 Cross-reference. Cable and conduit assemblies conforming to this CID are interchangeable/ substitutable with cable and conduit assemblies conforming to MS53059A(MO), dated 16 December 1964.

5.5 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

MILITARY INTERESTS:

Custodian
Army - AT

Review Activity
DLA - CS

CIVIL AGENCY COORDINATING ACTIVITY:
GSA - FSS

Preparing Activity:
Army - AT

(Project 2530-0358)