

INCH-POUND

MIL-C-13777G  
AMENDMENT 3  
3 July 2003  
SUPERSEDING  
AMENDMENT 2  
7 September 1999

MILITARY SPECIFICATION  
CABLE, SPECIAL PURPOSE, ELECTRICAL,  
GENERAL SPECIFICATION FOR

Inactive for new design after 1 June 1998

This amendment forms part of MIL-C-13777G, dated 20 February 1976, and is approved for use by all Departments and agencies of the Department of Defense.

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- \* 2.1, SPECIFICATIONS, Federal, Delete the following:

"QQ-W-343	-	Wire, Electrical (Uninsulated)
QQ-W-423	-	Wire, Steel, Corrosion-resisting"

- \* 2.1, SPECIFICATIONS, Federal, Add the following:

"A-A-59551	-	Wire, Electrical, Copper (Uninsulated)"
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- \* 2.1, SPECIFICATIONS, Military, Delete the following:

"MIL-M-20693	-	Molding Plastic, Polyamide (Nylon) Rigid"
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- \* 2.1, STANDARDS, Military, Delete the following:

"MIL-STD-109	-	Quality Assurance Terms and Definitions"
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- \* 2.1, STANDARDS, Military, Add the following:

"MIL-STD-2223	-	Test Methods for Insulated Electric Wire"
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- \* 2.2, Other publications, Add the following:

"ASTM-A313/A313M	-	Wire Stainless Steel Spring
ASTM-D4066	-	Nylon Injection and Extrusion Materials (PA)"

- \* 2.2, Other publications, Delete the following:

"National Electrical Manufacturers Association (NEMA)

HP-1-1973 - High Temperature Insulated Wire Impulse Dielectric Testing

(Application for copies should be addressed to the National Electrical Manufacturers Association,  
155 East 44<sup>th</sup> Street, New York, NY 10017)"

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- \* 3.4.1.2, Fourth line: Delete "QQ-W-423, Form I, Composition 302 or 304, Condition B" and substitute "ASTM-A313/A313M."

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- \* 3.4.4, Fourth line: Delete "MIL-M-20693" and substitute "ASTM-D4066."

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- \* 4.2.4: Delete in its entirety.

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- \* Before 4.4, Add:

"4.3.3 Retention of Qualification. To retain qualification, the contractor shall submit test summaries for Groups A and B on a yearly basis and a Group C test report every two years to the qualifying activity. The qualifying activity will establish the initial reporting date. The report shall consist of:

a. A summary of the results of the tests performed for inspection of product for delivery (Groups A and B), indicating as a minimum the number of lots that have passed, the number that have failed, and the groups which have failed. The results of tests of all reworked lots shall be identified and accounted for.

b. The results of the Group C tests, including the number and mode of failures. The summary shall include results of all conformance tests performed and completed during the two-year period. If the summary of the tests results indicates nonconformance with specification requirements,

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and corrective action acceptable to the qualifying activity has not been taken, action may be taken to remove the failing product from the QPL. In addition, the report shall be presented in sufficient detail to substantiate the test procedures used and the results obtained in the testing. Failure to submit this data in sufficient detail may be cause for rejection of the report.

Failure to submit the report within 30 days after the end of each two-year period may result in loss of qualification for the product. In addition to the periodic submission of inspection data, the contractor shall immediately notify the qualifying activity at any time during the two-year period that the inspection data indicates failure of the qualified product to meet the requirements of this specification.

In the event that no production occurred during the reporting period, a report shall be submitted certifying that the company still has the capabilities and facilities necessary to produce the item. If during two consecutive reporting periods there has been no production, the manufacturer may be required, at the discretion of the qualifying activity, to submit his qualified products to retesting in accordance with the qualification inspection requirements and the reason for no production."

- \* 4.5.1.2, Second line: Delete "QQ-W-343" and substitute "A-A-59551."

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- \* 4.5.2.5.2.1, Second line: Delete "NEMA Standard No. HP-1-1973" and substitute "Method 3002 of MIL-STD-2223."

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- \* 4.6: Delete in its entirety.
- \* 5.1 and 5.1.1: Delete and substitute:

"5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point packaging activity within the Military Department or Defense Agency, or within the Military Department's Systems Command. Packaging data retrieval is available from the managing Military Department or Defense Agency automated packaging files, CD-ROM products, or by contacting the responsible packaging activity."

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- 6.6, Delete and substitute:

"6.6 Qualification. With respect to products requiring qualification, awards will be made only for products which are, at the time of award of contract, qualified for inclusion in Qualified Products List QPL No. 13777, whether or not such products have actually been so listed by that date. The attention of the contractors is called to these requirements, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government, tested for qualification in order that they may be eligible to be awarded contracts or purchase orders for the products covered by this specification. The activity responsible for the Qualified Products List is the Defense Supply Center Columbus (DSCC-VQP), PO Box 3990, Columbus, OH 43216-5000."

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Figure 3, Bottom, right side, delete: "8 = Vertical Motion" and substitute "8" Vertical Motion."

NOTE: The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

CONCLUDING MATERIAL

Custodians:

Army - AR  
Navy - AS  
Air Force - 11  
DLA - CC

Preparing activity:

DLA - CC

(Project 6145-2363-000)

Review activities:

Army - AT, CR, CR4, MI  
Navy - EC, MC