



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
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DLA LAND AND MARITIME-VAI

August 10, 2016

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Drafts of various MIL-DTL-13486 Documents (see table below for details).

These initial drafts for these subject documents are now available for viewing and downloading from the DLA Land and Maritime-VA Web site:

<http://www.landandmaritime.dla.mil/programs/milspec/>

Initial Draft	Title	Project Number
MIL-DTL-13486F	Cables, Special Purpose, Electrical: Low-Tension, Heavy-Duty, Single Conductor and Multiple Conductor, Shielded and Unshielded, General Specification for	6145-2016-042
MIL-DTL-13486/10C(1)	Cable, Special Purpose, Electrical: Low-Tension, Heavy-Duty, Multiple Conductors, Unshielded	6145-2016-043
MIL-DTL-13486/12C(1)	Cable, Special Purpose, Electrical: Low-Tension, Heavy-Duty, Multiple Conductors, Unshielded	6145-2016-044
MIL-DTL-13486/13D(1)	Cable, Special Purpose, Electrical: Low-Tension, Heavy-Duty, Multiple Conductors, Shielded	6145-2016-045

Major changes to these documents include conversion to FAT, correction to conductor diameter, correction of unit conversions, and updating IAW MIL-STD-961.

Concurrence or comments are required at this Center within 45 days from the date of this letter. Late comments will be held for the next coordination of the document. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply. Lack of response to this draft will be construed as concurrence.

SUBJECT: SUBJECT: Initial Drafts of various MIL-DTL-13486 Documents (see table below for details). – **Continued**

If these documents are of interest to you, please provide your comments or suggested changes. The point of contact for this document is Mr. Bender, phone number 614-692-9185, facsimile transmission, 614-692-6939, e-mail Jacob.Bender@dla.mil or may be mailed via the US Postal Service to DLA LAND AND MARITIME, ATTN: VAI (Attention: Jacob Bender), P.O. Box 3990, Columbus, OH 43218-3990.

Sincerely,

/ SIGNED /

ABDONASSER M. ABDOUNI
Chief,
Interconnection Branch

CC: David Devine, Stephen Foster

Note: This initial draft, dated August 10, 2016, prepared by DLA-CC has not been approved and is subject to modification. DO NOT USE FOR ACQUISITION PURPOSES. (Project: 6145-2016-045)

INCH-POUND

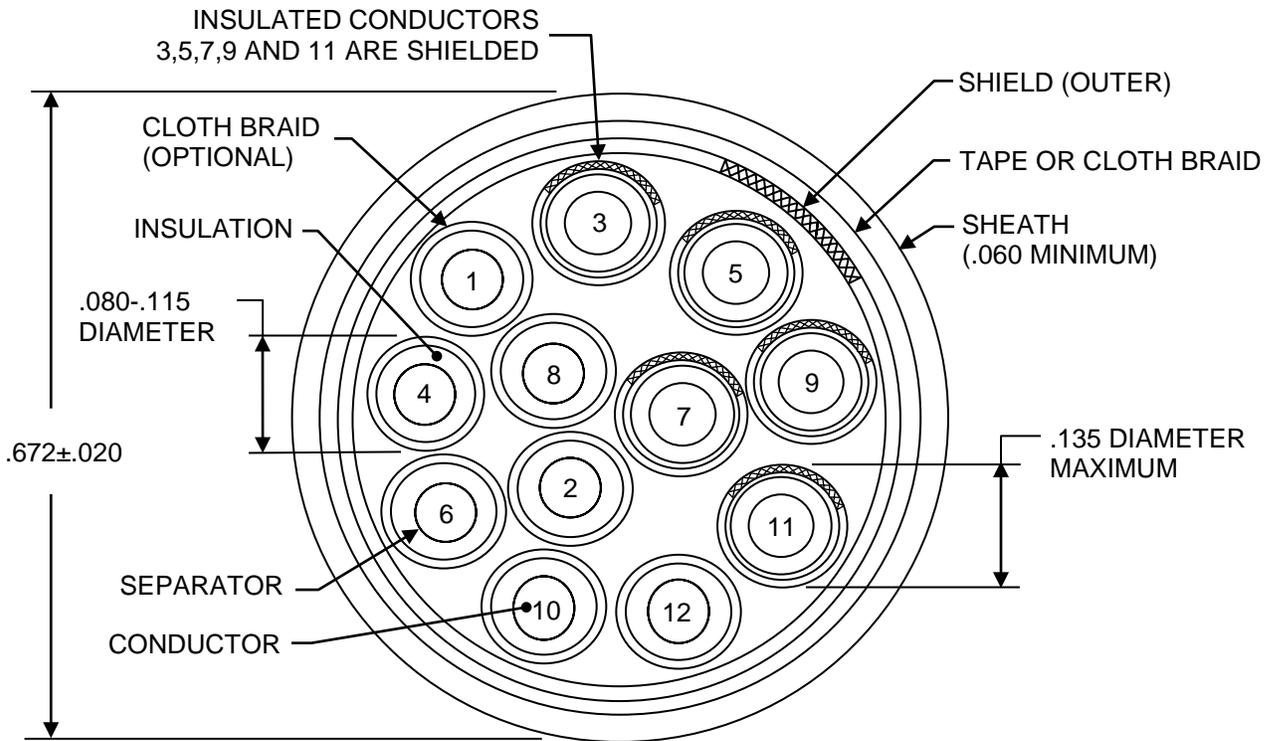
MIL-DTL-13486/13D
w/ AMENDMENT 1
DRAFT
SUPERSEDING
MIL-DTL-13486/13D
21 May 2010

DETAIL SPECIFICATION SHEET

CABLE, SPECIAL PURPOSE, ELECTRICAL: LOW-TENSION, HEAVY-DUTY, MULTIPLE CONDUCTORS, SHIELDED

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-13486.



Inches	mm
.020	0.51
.060	1.52
.080	2.03
.115	2.92
.135	3.43
.672	17.07

NOTE: Dimensions are in inches. Metric equivalents are given for information only.

FIGURE 1. Dimensions and configuration.

MIL-DTL-13486/13D
w/ AMENDMENT 1
DRAFT DATED 10 AUGUST 2016

Dimensions and configuration. See figure 1.

Conductor size. All conductors shall be size 20. See "Construction requirements for conductors" as specified in MIL-DTL-13486.

Longitudinal shifting. This requirement of MIL-DTL-13486 shall not apply.

Shielding. All shielding shall be electrically connected.

Shielding internal. Internal shielding shall consist of a closely and uniformly woven wire braid applied directly over the insulated conductors by means of a multiple carrier braider. Each carrier shall have no less than four strands of .005-inch diameter tinned copper wire. The shielding shall provide no less than 85% coverage.

Shielding outer. Outer shielding (see figure 1) shall consist of a closely and uniformly woven wire braid woven by means of a multiple carrier braider. Each carrier shall have no less than eight strands of .0063-inch diameter tinned copper wire. The shielding shall provide no less than 85% coverage.

Insulated conductors, identification. See table I.

Part or Identifying Number (PIN): M13486/13-1

Former PIN: 7724579

TABLE I. Color code chart.

Conductor number	Base	Stripe
1	Red	None
2	Red	Black
3	Red	White
4	Red	Green
5	Black	None
6	Black	White
7	Black	Red
8	Black	Green
9	White	None
10	White	Black
11	White	Red
12	White	Green

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue 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 issue.

Referenced document. This document references MIL-DTL-13486.

MIL-DTL-13486/13D
w/ AMENDMENT 1
DRAFT DATED 10 AUGUST 2016

CONCLUDING MATERIAL

Custodians:

Navy - SH
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

Review activities:

Air Force - 71, 84, 99

(Project 6145-2016-045)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.