

MIL-C-19787C(OS)
 AMENDMENT 4
 30 June 1978
 Superseding
 AMENDMENT 3
 26 April 1976

MILITARY SPECIFICATION

CABLE, ELECTRIC, TORPEDO, 65 CONDUCTOR

(For Torpedo Control, Electric Setting)

This amendment forms a part of Military Specification
 MIL-C-19787C(OS) dated 29 July 1969.

- * Page 2. Add the following after "MIL-C-12000":
 "MIL-R-6855 Rubber, Synthetic, Sheets, Strips, Molded or Extruded Shapes"
 "MIL-W-16878/1 Wire, Electrical, Type B, 105 Degrees C., 600 Volts
 (Insulated, High Temperature)"

Page 2, paragraph 3.1, third line: Delete "abrasion-resisting sheath" and substitute "abrasion-resisting polychloroprene sheath." (See Amendment 2.)

Page 4, paragraph 3.3.5: Delete "A sheath" and substitute "A polychloroprene sheath." (See Amendment 2.)

Page 5, paragraph 3.8.4. Delete and substitute:
 "3.8.4 Conductor insulation. The conductor insulation shall consist of polyvinylchloride in accordance with MIL-W-16878/1 and in accordance with the tables as follows:

- (a) MSTCF-65 Table IV
- (b) MSTCP-65 Table V"

- * Page 7, paragraph 3.8.6. Delete and substitute:
 "3.8.6 Cable sheath. A sheath of tough, resilient, abrasion-resistant polychloroprene shall be applied concentrically over the cotton-braid covered conductor assembly. The sheath shall be homogeneous, free from porosity and shall conform to either (a) MIL-R-6855, Class 2, Type A, Grade 60 or (b) the requirements of paragraphs 3.8.6.1 through 3.8.6.5 when tested in accordance with Figures 1 or 2, as applicable. The wall thickness shall be uniform within 0.015 inch."

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to Commanding Officer, Naval Ordnance Station, Standardization Division (611), Indian Head, MD 20640 by using the self addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

MIL-C-19787C(OS)
 AMENDMENT 4

Page 8, paragraph 3.8.8:

Delete:

- (a) MSTCF-65: 70.0 mmf per foot
 40.0 mmf per foot
- (b) MSTCF-65: 90.0 mmf per foot
 55.0 mmf per foot

Substitute:

- (a) MSTCF-65: 85.0 mmf per foot
 50.0 mmf per foot
- (b) MSTCF-65: 100.0 mmf per foot
 70.0 mmf per foot

Page 12, paragraph 4.4.4, last line: Delete "compliance with the requirements of 3.8.4.1 through 3.8.4.4" and substitute "compliance with the requirements of MIL-W-16878/1".

Page 20. Replace Table IV with new Table IV, attached.

Page 21. Replace Table V with new Table V, attached.

The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) 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.

Custodian
 Navy - OS

Preparing Activity
 Navy - OS
 Project No. 6145-N284

TABLE IV
Component Parts and Dimensions (Cable MSTCF-65)

CONDUCTOR NUMBER	CONDUCTOR					INSULATION	
	AWG. SIZE	STRANDING	TEMPER **	COATING	MIN. AVG. WALL (INCHES)	CONDUCTOR DIA. (INCHES) * NOMINAL	
1, 2, 3, 7, 8, 9, 10	24	7/.0080	HARD	TIN	.010	.098	
4, 5, 11, 12, 13 14, 15, 24, 25, 26 27, 28, 29, 30, 31 32, 33, 34, 35, 36 37, 38, 39, 40, 41 42, 45, 46, 47, 48 49, 50, 51, 52, 53 54, 55, 56, 57, 58 59, 60, 61, 62, 63	24	7/.0080	HARD	TIN	.010	.048	
6, 43, 44	24	7/.0080	HARD	TIN	.018	.064	
16, 17, 18	20	7/.0126	SOFT	TIN	.010	.062	
19, 20, 21, 22 23, 64, 65	18	7/.0159	SOFT	TIN	.010	.072	

*DIAMETER OVER ALL COVERINGS

**BEFORE TINNING

MIL-C-19787C(0S)
AMENDMENT 4

TABLE V
Component Parts and Dimensions (Cable MSTCP-65)

CONDUCTOR NUMBER	CONDUCTOR				INSULATION		
	AWG. SIZE	STRANDING	TEMPER	COATING	MIN. AVG. WALL (INCHES)	CONDUCTOR DIA. (INCHES) * NOMINAL	
1, 2, 3, 7 8, 9, 10	22	7/.0100	SOFT	TIN	.015	.114	
4, 5, 11, 12, 13 14, 15, 24, 25, 26 27, 28, 29, 30, 31 32, 33, 34, 35, 36 37, 38, 39, 40, 41 42, 45, 46, 47, 48 49, 50, 51, 52, 53 54, 55, 56, 57, 58 59, 60, 61, 62, 63	22	7/.0100	SOFT	TIN	.015	.064	
6	22	7/.0100	SOFT	TIN	.019	.072	
16, 17, 18, 21, 22, 23	18	7/.0159	SOFT	TIN	.015	.082	
19, 20, 64, 65	16	7/.0192	SOFT	TIN	.015	.092	
43, 44	19	7/.0136	SOFT	TIN	.016	.077	

*DIAMETER OVER ALL COVERINGS