

MIL-C-7078/18A(AS)  
16 June 1978

SUPERSEDING

MIL-C-7078/18(AS)  
5 August 1970

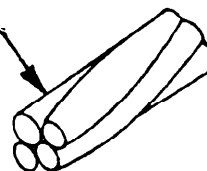
MILITARY SPECIFICATION SHEET

CABLE, ELECTRIC, AEROSPACE VEHICLE, MIL-W-81381/14 BASIC WIRES,  
UNSHIELDED, UNJACKETED, 600-VOLT, 200°C

This specification sheet is approved for use by the Naval Air Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the cable described herein shall consist of this document and the issues in effect of Specification MIL-C-7078 and Specification Sheet MIL-W-81381/14.

MIL-W-81381/14 Basic Wires  
(Nickel-Coated High Strength  
Copper Alloy Conductor,  
FEP-Polyimide Tape Insulation)



FEP - Fluorinated Ethylene Propylene

UNSHIELDED UNJACKETED CABLE

REQUIREMENTS:

CONSTRUCTION DETAILS: See above Figure and Table I

VOLTAGE RATING: 600 Volts (rms) at sea level

TEMPERATURE RATING: 200°C (392°F) max conductor temperature

COLD BEND: Not applicable

THERMAL SHOCK TEST: Not applicable

HEAT RESISTANCE: Not applicable

DIELECTRIC FLAWS (SPARK TEST): Not required

DRY DIELECTRIC: 2500 Volts (rms)

PART NUMBER: Part numbers in this specification sheet are coded as in the following example:

<u>M7078/18</u>	-	<u>22</u>	-	<u>2</u>
specification sheet number		size number of basic wires		quantity of conductors (basic wires) in cable

Ⓐ denotes changes

FSC 6154

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TABLE I (A)

Cable part no.	Major diameter of finished cable (inch)(max)	Weight of finished cable (lb/1000ft)	
		(nom) <u>1/</u>	(max)
M7078/18-28-2	.070	1.9	2.5
M7078/18-28-3	.075	2.9	3.7
M7078/18-28-4	.084	3.9	4.9
M7078/18-28-5	.095	4.9	6.2
M7078/18-28-6	.105	5.9	7.4
M7078/18-28-7	.105	6.8	8.6
M7078/18-26-2	.080	3.0	3.3
M7078/18-26-3	.086	4.5	5.0
M7078/18-26-4	.096	6.0	6.7
M7078/18-26-5	.108	7.5	8.4
M7078/18-26-6	.120	9.0	10.0
M7078/18-26-7	.120	10.5	11.7
M7078/18-24-2	.090	4.3	4.7
M7078/18-24-3	.097	6.4	7.0
M7078/18-24-4	.108	8.5	9.4
M7078/18-24-5	.122	10.7	11.7
M7078/18-24-6	.135	12.8	14.1
M7078/18-24-7	.135	14.9	16.4
M7078/18-22-2	.102	6.2	6.7
M7078/18-22-3	.110	9.3	10.1
M7078/18-22-4	.123	12.4	13.5
M7078/18-22-5	.138	15.5	16.8
M7078/18-22-6	.153	18.6	20.2
M7078/18-22-7	.153	21.7	23.6
M7078/18-20-2	.120	9.4	10.2
M7078/18-20-3	.129	14.2	15.3
M7078/18-20-4	.145	18.9	20.4
M7078/18-20-5	.162	23.6	25.5
M7078/18-20-6	.180	28.4	30.6
M7078/18-20-7	.180	33.1	35.7

1/ Nominal values are given for information only. Nominal values are not requirements.

(A) Requirements for size 28 cables have been added to Table I. Changes too numerous to be individually marked have been made in other required values in the table.

Preparing activity:  
Navy - AS  
(Project No. 6145-N280-3)

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MIL-C-7078/18A(AS) Cable, Electric, Aerospace Vehicle, ... etc.

**NAME OF ORGANIZATION AND ADDRESS OF SUBMITTER**

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