

INCH-POUND
MIL-R-24050D
AMENDMENT 1
31 March 1993

MILITARY SPECIFICATION

ROPE, FIBROUS, DOUBLE-BRAIDED (NYLON)

This amendment forms a part of MIL-R-24050D, dated 31 July 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

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3.3.1: Delete and substitute:

"3.3.1 Fiber finish. Unless otherwise specified (see 6.2), the manufacturer shall use nylon fibers with a marine overlay finish that will ensure in the marine environment that the rope will give improved performance that is better than that of rope made of fibers without an overlay finish. The overlay finish must be highly water insouble, must resist wash off due to contact with water, and have long term durability with respect to evaporation and reaction with ordinary outdoor marine environments. The finish shall improve the ability to resist internal fiber-to-fiber abrasion and external abrasion (see 4.4.1). The overlay finish provided shall not violate any other requirement of this specification."

3.4.1, first sentence: Add "The fiber producer shall provide type of yarn that has been designed for cordage and tested for its suitability for this application (see 6.3)."

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Table I: Delete the heading of column 1 and substitute: "Rope size, nominal, circumference, (inches)".

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3.8, line 2: Delete "Kraft paper or".

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Table IV: Delete last five lines in columns 1 thru 4.

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Table VII: Delete and substitute:

"TABLE VII. Component testing.

Characteristic	Requirement	Test method	Number of determinations per individual sample unit
Fiber:			
Type	3.3	<u>1/</u>	1
Linear density	3.3	4.4.1	1
Tenacity	3.3	4.4.1	1
Outer braid:			
Yarn size	3.4.1	Visual	1
Yarns per strand	Table II	Visual	1
Number of strands	Table II	Visual	1
Braid type	Table II	Visual	1
Multiplier	Table II	4.6.2.2	3
Heat setting	3.4	<u>1/</u>	1
Braider splices	3.10.1	<u>1/</u>	
Marine finish	3.3.1	<u>1/</u>	
Inner braid:			
Yarn size	3.4.1	Visual	1
Yarns per strand	Table I	Visual	1
Number of strands	Table I	Visual	1
Braid type	Table I	Visual	1
Multiplier	Table I	4.6.2.1	3
Heat setting	3.4	<u>1/</u>	1
Braider splices	3.10.1	<u>1/</u>	1
Marine finish	3.3.1	<u>1/</u>	

1/ See 4.4.1."

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Table VI: Delete the heading of column 1 and substitute: "Lot Size".

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Add as new paragraph 4.6.1.1:

"4.6.1.1 Splicing. For each specimen; each end shall have a buried eye splice as recommended by the manufacturer."

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6.2: Add the following:

"(n) When marine finish is not required (see 3.3.1).

6.3: Under "Reference paragraph", line 2 add: "3.4.1".

Custodians:

Army - GL
Navy - SH
Air Force - 99

Preparing activity:

Navy - SH
(Project 4020- 0341)

Review activities:

Navy - AS
Air Force - 82

User activities:

Navy - CG, MC, YD