

## FEDERAL SPECIFICATION

## WIRE ROPE AND STRAND

This amendment, which forms a part of Federal Specification RR-W-410D dated 25 April 1984, was approved by the Administrator, Federal Supply Service, General Services Administration, for use of all Federal agencies.

PAGE 4

2.1, under "Military Specifications": Add:

"MIL-C-16173 - Corrosion Preventive Compound, Solvent Cutback, Cold-Application."

PAGE 8

3.6.2: Delete and substitute:

"3.6.2 Uncoated iron or steel wire ropes. Unless otherwise specified (see 6.2), wires of uncoated (not galvanized) iron, or steel wire ropes, shall be thoroughly coated with a lubricant during the process of manufacture. The lubricant shall be petroleum oil based and compounded with additives to provide lubricating qualities and maximum corrosion protection during shipping, storage, handling, and the initial period of service and to provide a suitable lubricant base for subsequent field relubrications. The pour point of the lubricant shall be above 100°F making the lubricant a semi-solid at room temperature. The lubricant should be heated to a fluid state before applying to the wires and laying the rope. The flash point of the lubricant shall be above 400°F. The lubricant shall be free of substances injurious to steel wires and fiber cores."

Add as new paragraph 3.6.2.1:

"3.6.2.1 For particular applications, iron or steel wire ropes may be required to have a special lubricant other than the lubricant specified in 3.6.2 (see 6.2)."

Add as new paragraph 3.6.2.2:

"3.6.2.2 When it is specified that no lubrication be applied to iron or steel wire ropes (see 6.2), a rust inhibitor conforming to MIL-C-16173, grade 1 shall be applied to the entire length of the wire rope after closure to prevent corrosion prior to installation, unless otherwise specified (see 6.2)."

AMSC N/A

FSC 4010

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RR-W-410D  
AMENDMENT 1

PAGE 30

4.3, line 2: After "for workmanship," add, "and lubrication."

4.3.3: Add as new paragraph:

"4.3.3 Examination for lubricant. The examination of wire strands and cores for lubrication shall be made during the closing of the wire rope. The lubricant shall be sufficient to coat the wire strands, wire cores, independent wire rope cores, and to impregnate fiber cores as specified in 3.6."

PAGE 35

6.2(k): Delete and substitute:

(k) "If uncoated iron or steel wire ropes are not to be coated with a lubricant (see 3.6.2.2) or are to be coated with a special lubricant during manufacture (see 3.6.2.1)."

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6.2: Add:

"(ii) When rust inhibitor is not required to be applied to entire length of wire rope (see 3.6.2.2)."

Custodians:

Navy - SH  
Army - ME  
AF - 99

Preparing activity:

Navy - SH  
(Project 4010-0183)

Review activities:

Navy - YD  
AF - 82  
DLA - DISC