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AEROSPACE MATERIAL SPECIFICATION

SAE

AMS 2819

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Submitted for recognition as an American National Standard

IDENTIFICATION, WELDING WIRE Direct Color Code System

1. SCOPE:

This specification covers the procedures for identification and marking of bare welding wire by a color code system and marking of spools.

2. APPLICABLE DOCUMENTS:

Not applicable

3. TECHNICAL REQUIREMENTS:

3.1 Marking Methods:

3.1.1 Cut Lengths: Individual cut lengths shall be marked in accordance with 3.1.1.1. All containers, bags, tubes, etc, for wire shall be marked in accordance with 3.1.3.

3.1.1.1 The first color band shall be approximately 1/4 inch (6.4 mm) from one end of the wire and shall be 1/2 inch (12.7 mm) wide to designate the first number in the AMS specification. Each succeeding band shall be 1/4 inch (6.4 mm) wide with a 1/4 inch (6.4 mm) space between bands. The total length of the color code shall not exceed 2 1/4 inches (57.2 mm) from one end of the wire. Only one set of color bands shall be applied to each length of wire. The bands shall extend completely around the circumference of the wire.

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TABLE 1 - Color Code

Number	Color	Number	Color
0	Yellow	5	Green
1	Black	6	Orange
2	Blue	7	Violet
3	Brown	8	Red
4	Gray	9	White

3.1.2 Spooled Wire: Wire shall not be color coded, but the outer face of one or both flanges of each spool shall be permanently and legibly marked with not less than the following minimum information:

- WELDING WIRE SPECIFICATION NUMBER
- SIZE OR DIAMETER
- QUANTITY OR WEIGHT
- HEAT NUMBER
- MANUFACTURER'S IDENTIFICATION

3.1.3 Container Labels: All containers, bags, tubes, etc, shall be marked with a pressure sensitive label providing the minimum information shown in 3.1.2.

4. QUALITY ASSURANCE PROVISIONS:

Not applicable.

5. PREPARATION FOR DELIVERY:

Not applicable.

6. ACKNOWLEDGMENT:

Not applicable.

7. REJECTIONS:

Wire not identified in accordance with this specification, or with modifications authorized by purchaser, will be subject to rejection.

8. NOTES:

8.1 Dimensions in inch/pound units are primary; dimensions in SI units are shown as the approximate equivalents of the primary units and are presented only for information.

PREPARED UNDER THE JURISDICTION OF AMS COMMITTEE "B".