



AEROSPACE MATERIAL SPECIFICATION

AMS2816™**REV. W**

Issued 1963-01
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Superseding AMS2816V

Identification
Welding Wire, Tab Marking Method

RATIONALE

AMS2816W has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This specification covers procedures for tab marking of bare welding wire to provide positive identification of cut lengths and spools.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publication

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

AS478 Identification Marking Methods

3. TECHNICAL REQUIREMENTS

3.1 Cut Lengths

All envelopes shall be marked in accordance with 3.1.1. Individual cut lengths shall be tab marked in accordance with 3.1.2, unless purchaser specifies specification number marking in accordance with 3.1.3 or provides other requirements for marking.

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Full document details: SAE AMS2816W

For more information on this standard, visit
<https://www.sae.org/standards/content/AMS2816W/>

Documents

Standard Sharing Hub

3.1.1 Envelope Marking

All envelopes shall be identified with a pressure sensitive label marked with not less than the following information:

(Alloy name) WELDING WIRE
WIRE SPECIFICATION NUMBER
SIZE
QUANTITY OR WEIGHT
HEAT NUMBER (If Applicable)
MANUFACTURER'S IDENTIFICATION

3.1.1.1 Bar Code Marking

When specified, all required identification shall be bar code marked on envelopes or unit containers by a method acceptable to purchaser.

3.1.2 Tab Marking

Each length of wire shall have applied, between 1/2 to 1 inch (12.7 to 25 mm) from one end, a plastic label bearing the specification number, including type, class and/or grade designation, and the prefix indicating the source of the specification. When wire is ordered to an AMS specification in conjunction with other specifications, the wire may be solely identified with the AMS specification. Revision letters are not necessary. The label may be either pressure-sensitive adhesive type or heat-shrinkable tubing in accordance with AS478. Imprints on the label shall be legible, fade-proof, and resistant to oils, solvents, shipping hazards, and temperatures up to 120 °F (49 °C).

3.1.3 Specification Number Marking

When specified in lieu of 3.1.2 tab marking, each length of wire shall be marked, by a method specified by purchaser in accordance with AS478, with the specification number, including type, class and/or grade of designation, and the prefix indicating the source of the specification. When wire is ordered to an AMS specification in conjunction with other specifications, the wire may be solely identified with the AMS specification. Revision letters are not necessary. The marking method used shall be fade-proof and resistant to oils, solvents, shipping hazards, and temperatures up to 120 °F (49 °C).

3.2 Spooled Wire

Wire shall not be marked but the outer face of one or both flanges of each spool shall be permanently and legibly marked with a pressure sensitive label including not less than the following information; if only one flange of each spool is marked, the marking shall be on the flange of the spool which will face the operator when the spool is installed on a welding machine and removed in a clockwise fashion.

(Alloy Name) WELDING WIRE
WIRE SPECIFICATION NUMBER
SIZE
QUANTITY OR WEIGHT
HEAT NUMBER (If Applicable)
MANUFACTURER'S IDENTIFICATION

3.2.1 When specified, all required identification may be bar coded on envelopes or unit containers by a method acceptable to purchaser.

4. QUALITY ASSURANCE PROVISIONS

Not applicable.