



Standard Specification for Metallic-Coated, Steel-Woven Wire Fence Fabric¹

This standard is issued under the fixed designation A116; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

1.1 This specification covers metallic-coated steel fence fabric having a series of horizontal (line) wires, with vertical (stay) wires either wrapped around the line wire (hinge joint) or fixed with another separate wire to the line wire (continuous stay fixed knot joint), forming rectangular openings. The fence fabric is suitable for use in fences for farm field enclosure (to keep domestic animals in or out), for wildlife and exotic animal control, for highway or railroad right-of-way fencing (to control access), and other similar uses.

1.2 This specification covers fence fabric in various designs, tensile strength grades, and metallic coating types and grades.

1.3 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.4 The text of this specification references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the specification.

2. Referenced Documents

2.1 ASTM Standards:²

- A90/A90M Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings
- A370 Test Methods and Definitions for Mechanical Testing of Steel Products
- A428/A428M Test Method for Weight [Mass] of Coating on Aluminum-Coated Iron or Steel Articles
- A510 Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel

¹ This specification is under the jurisdiction of ASTM Committee A05 on Metallic-Coated Iron and Steel Products and is the direct responsibility of Subcommittee A05.12 on Wire Specifications.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

A641/A641M Specification for Zinc-Coated (Galvanized) Carbon Steel Wire

A700 Guide for Packaging, Marking, and Loading Methods for Steel Products for Shipment

A809 Specification for Aluminum-Coated (Aluminized) Carbon Steel Wire

A856/A856M Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Carbon Steel Wire

A902 Terminology Relating to Metallic Coated Steel Products

2.2 U.S. Federal Standard:

Fed. Std. No. 123 Marking for Shipments (Civil Agencies)³

2.3 U.S. Military Standards:

MIL-STD-129 Marking for Shipment and Storage³

MIL-STD-163 Steel Mill Products, Preparation for Shipments and Storage³

3. Terminology

3.1 *Definitions*—For definitions of terms used in this specification, refer to Terminology A902.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *continuous stay fixed knot joint, n*—horizontal line wire and vertical stay wire joint made by fastening continuous stay wires to line wires by tying them together with a separate piece of knot wire at each joint.

3.2.2 *hinge joint, n*—horizontal line wire and vertical stay wire joint made by wrapping stay wire around line wires.

3.2.3 *intermediate wires, n*—line wires other than top and bottom wires.

3.2.4 *top and bottom wires, n*—line wires at the edge of the fence fabric (the top and bottom edges as erected).

4. Ordering Information

4.1 Orders for material under this specification shall include the following information, as necessary to describe each product ordered.

³ Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, <http://dodssp.daps.dla.mil>.