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## BARBED TAPE SPECIFICATION *INSTABARRIER®*

### *Non-Reinforced Concertina*

#### 1. GENERAL

- 1.01. This section covers the furnishing and installation of rapid deployment barbed tape.
- 1.02. Applicable Documents:
  - ASTM A-666 Specification for Austenitic Stainless Steel, Sheet, Strip, Plate, and Flat Bar for Structural Applications.
  - U.S. Army MERADCOM Drawing 1330E8353

#### 2. PRODUCTS

- 2.01. Barbed tape shall be [24", 30", 40", 60"] diameter plus or minus 10% concertina style coil consisting of 101 loops. Each loop shall contain [20, 24, 31, 46] plus or minus 1 barb clusters per loop. Adjacent coil loops shall be alternately spot welded at [3, 5, 7, 13] points about the circumference to produce the concertina effect upon deployment. Spacing between welded attachment points when deployed shall be 12" plus or minus 2".
- 2.02. Barbed tape shall be fabricated from 301 austenitic stainless steel conforming to ASTM A-666. Stainless steel shall be 1.210" wide before fabrication by 0.025" thick with barb clusters as per U.S. Army MERADCOM drawing 1330E8353. Stainless steel shall be hardened to Rockwell (30N) 50-55. Clusters of 4 barbs having a maximum tip radius of 0.005" shall be punched 4" on center. Barbs shall have a length of 1.150". Barbs shall be alternately offset from the tape centerline .15"-.45"
- 2.03. Barbed tape shall be converted to concertina by welding alternate adjacent loops at [3, 5, 7, 13] places about the circumference, continuous along the entire length of the roll. Concertina attachments (welds) shall be capable of withstanding a 400 lb. load uniformly distributed about the periphery.
- 2.04. The maximum barbed tape opening and coil length shall be preset by attaching a jacketed stainless steel wire rope, 7 by 7 strand, 3/64" by 5/64" minimum diameter symmetrically about the circumference along the length of the obstacle to each coil loop.

#### 3. EXECUTION

- 3.01. InstabARRIER barbed tape is designed for use as a permanent barrier and, when used in a temporary installation, for rapid deployment and recovery. To install, simply attach the free end of the barrier to the ground or some other fixed point and pull until the entire roll is deployed
- 3.02. Each coil shall be extended a maximum of 50 ± 1 foot.