

**SECTION 16xxx**  
**FASTENERS FOR LOW-SPEED TRANSMISSION CABLING (CATEGORY 3 AND BELOW)**

**PART 1 – GENERAL**

**1.1 SCOPE**

- A. Bridle Rings (2.3)

**1.2 SUMMARY**

- A. The work covered under this section consists of the furnishing of all necessary labor, supervision, materials, equipment, and services to completely execute the use of fasteners for low-speed transmission cabling (Category 3 and below) as described in this specification.

**1.3 DEFINITIONS**

- A. ANSI: American National Standards Institute
- B. ASTM: American Society for Testing and Materials
- C. EIA: Electronic Industries Alliance
- D. TIA: Telecommunications Industry Association
- E. cULus: Listed by Underwriters Laboratories based on both Canadian and US (United States) standards requirements.

**1.4 SUBMITTALS**

- A. Submit product data on fasteners for low-speed transmission cabling (Category 3 and below), including attachment methods. Product data to include, but not limited to materials, finishes, approvals, load ratings, and dimensional information.

**1.5 QUALITY ASSURANCE**

- A. Fasteners for low-speed transmission cabling (Category 3 and below) shall be listed by Underwriters Laboratories based on both Canadian and US standards (cULus).
- B. Manufacturer: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience in the industry, and certified ISO 9000.

**PART 2 - PRODUCTS**

**2.1 ACCEPTABLE MANUFACTURERS**

- A. Subject to compliance with these specifications, fasteners for low-speed transmission cabling (Category 3 and below) shall be as manufactured by ERICO<sup>®</sup>, Inc or approved equal.

## **2.2 REFERENCES**

- A. ASTM 641 Standard for Zinc-Coated (Galvanized) Carbon Steel Wire
- B. ANSI/ TIA/ EIA 569 Commercial Building Standard for Telecommunications Pathways and Spaces, current revision level.
- C. NFPA 70 National Electrical Code®

## **2.3 FASTENERS FOR LOW-SPEED TRANSMISSION CABLING (CATEGORY 3 AND BELOW)**

- A. **Bridle Rings**
  - 1. Bridle rings shall be made of steel, rated for indoor use in non-corrosive environments.
  - 2. Bridle rings shall be UL listed.
  - 3. Shall have an ultimate static load limit of 50 lbs. depending on application, select threaded, unthreaded or wood screw variety.
  - 4. Shall be able to be assembled to manufacturer recommended specialty fasteners for connection to building structures like beam, drop wire/rod, purlin, wood structure, concrete and acoustical tee grid.
  - 5. Acceptable Products: ERICO CADDY® Bridle Rings 1/2", 3/4", 1-1/4", 2", and 4" diameter or approved equal

## **2.4 FINISHES**

- A. ASTM 641 Standard for Zinc-Coated (Galvanized) Carbon Steel Wire

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- A. Installation and configuration shall conform to the requirements of the current revision levels of ANSI/ EIA/TIA Standards 568 & 569, NFPA 70 (National Electrical Code), applicable local codes, and to the manufacturer's installation instructions.