



4 INTERNATIONAL DR. RYE BROOK, NY 10573  
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## H-433-S CABLE SUPPORT HOOK

### PART 1 - GENERAL

#### 1.1 SCOPE

- A. Provides proper support of all low voltage, fiber optic and innerduct. Effective alternative to cable tray. Galvanized finish on J-hooks provide smoother cable pull and greater corrosion resistance. Complies with UL, CUL, NEC, and EIA/TIA requirements for structured cabling systems
- B. J-Hook shall be designed to link one-to-the-next without the need for hardware, supports, brackets, or any additional materials
- C. J-Hook Cable Support System (H-433-S) (2.2A and 2.2B)
- D. J-Hook Suspended Cable Support System (H-433-S) (2.3C)

#### 1.2 SUMMARY

- A. The work covered under this section consists of the furnishings of all necessary labor; supervision, materials, equipment, and services to completely execute the interior pathway system as described in this specification.
- B. This section includes minimum requirements for the following:
  - 1. J-Hook Cable Support System

#### 1.3 DEFINITIONS

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

#### 1.4 SUBMITTALS

- A. Submit product data for J-Hook Cable Support System. Product data to include, but not limited to materials, finishes, approvals, load ratings, and dimensional information.

#### 1.5 QUALITY ASSURANCE

- A. J-Hook Cable Support System shall be marked with the manufacturer's name and part number where applicable.
- C. Manufacturer: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience in the industry.

## **PART 2 – PRODUCTS**

### **2.1 ACCEPTABLE MANUFACTURERS**

- A. The cable support hook specified herein shall be the H-433-S as manufactured by Mono-Systems, Inc., 4 International Dr. Rye Brook, NY 10573.

Systems of the same attributes, by other manufacturers may be considered equal if, in the opinion, and the written approval of the engineer, they meet all the performance standards specified herein. Written request for approval must be submitted to the engineer at least ten days prior to bid date. Each request shall include the name of the manufacturer and a complete description of the proposed substitute.

### **2.2 J-HOOK CABLE SUPPORT SYSTEMS**

#### **A. Wall mounted J-Hook Cable Support System (H-433-S)**

1. Steel support brackets shall be galvanized steel and capable of supporting a minimum of 100 pounds with a safety factor of 2.
2. Steel support brackets shall have a galvanized steel retaining cage for securing J-Hook contents.
3. Steel support brackets shall accept 3/8" (or 10mm) threaded rod for attachment to building structure or sub-structure, as well as mounted holes for attachment to wall surfaces, and direct attachment to cable trays.
4. J-Hook shall be designed to link one-to-the-next without the need for hardware, supports, brackets, or any additional materials.
5. J-Hook shall provide 7.5 square inches of cable containment area.
6. A color-coding sleeve, placed upon the retaining cage, is available for cable type designation purposes.
7. Acceptable products: Mono-Systems, Inc. H-433-S or approved equal

#### **B. Strut Mount J-Hook Cable Support System (H-433-S)**

1. Steel support brackets shall be galvanized steel and capable of supporting a minimum of 100 pounds with a safety factor of 2.
2. Steel support brackets shall have a galvanized steel retaining cage for securing J-Hook contents.
3. Steel support brackets shall accept 3/8" (or 10mm) threaded rod for attachment to building structure or sub-structure, as well as mounted holes for attachment to wall surfaces, and direct attachment to cable trays.
4. J-Hook shall be designed to link one-to-the-next without the need for hardware, supports, brackets, or any additional materials.
5. J-Hook shall provide 7.5 square inches of cable containment area.
6. A color-coding sleeve, placed upon the retaining cage, is available for cable type designation purposes.
7. Acceptable products: Mono-Systems, Inc. H-433-S or approved equal

#### **C. Suspended J-Hook Cable Support System Double J-hook (H-433-S and H-433-H)**

1. Steel support brackets shall be galvanized steel and capable of supporting a minimum of 100 pounds with a safety factor of 2.

2. Steel support brackets shall have a galvanized steel retaining cage for securing J-Hook contents.
3. Steel support brackets shall accept 3/8" (or 10mm) threaded rod for attachment to building structure or sub-structure, as well as mounted holes for attachment to wall surfaces, and direct attachment to cable trays. Additionally, the steel support brackets may be suspended from a center-supported H-433-H bracket that allows for back-to-back J-Hook mounting.
4. J-Hook shall be designed to link one-to-the-next without the need for hardware, supports, brackets, or any additional materials.
5. J-Hook shall provide 7.5 square inches of cable containment area.
6. A color-coding sleeve, placed upon the retaining cage, is available for cable type designation purposes.
7. Acceptable products: Mono-Systems, Inc. H-433-S or approved equal

## **2.3 FINISHES**

- A. ASTM B633 Standard Specification for Electro-deposited Coatings of Zinc on Iron and Steel  
ASTM B 695 Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel  
ASTM A123 Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products  
ASTM A924/A924M Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- A. System to be installed per manufacturer's installation instructions.
- B. Steel support brackets shall accept 3/8" (or 10mm) threaded rod for attachment to building structure or sub-structure, as well as mounted holes for attachment to wall surfaces, and direct attachment to cable trays. Additionally, the steel support brackets may be suspended from a center-supported H-433-H bracket that allows for back-to-back J-Hook mounting. Installer is responsible for the integrity of the structures to which the system is attached, including their capability of safely accepting the loads imposed as evaluated by a qualified engineer.
- C. Coordinate all pathway runs with other trades prior to installation.
- D. Install cables using techniques, practices, and methods that are consistent with cable manufacturer's recommendations.