For detailed material and finish descriptions, see page 6.

**CONNECTORS & FITTINGS:**
Necessary connectors and fasteners are supplied with all trays and fittings. Extra connectors for field cuts or spares must be ordered separately.

**SAFE LOAD:**
Allowable cable load in pounds per linear foot uniformly distributed. Based on tray with standard rung on 9" centers and supported on simple beam with safety factor of 1.5 per NEMA VE1.

**CONCENTRATED LOAD:**
All ladders with solid rungs and trays with corrugated bottoms will support a 200 lb. concentrated load applied at the center of the tray in addition to the NEMA-rated cable load without collapse.

**TABLE:**

<table>
<thead>
<tr>
<th>WALL HEIGHT (IN)</th>
<th>UNDERSHELF (IN)</th>
<th>NEMA CLASS</th>
<th>AVAILABLE LENGTHS (FT)</th>
<th>TRAY SYSTEM NUMBER</th>
<th>AMP RATING</th>
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<tbody>
<tr>
<td>3</td>
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**SUPPORT SPAN (FT):**

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**SAFE LOAD DATA (LBS/FT) / DEFLECTION (IN) / SAFETY FACTOR 1.5:**

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**ITRAY - STRAIGHT SECTIONS**

**ITRAY - STRAIGHT SECTIONS CATALOG NUMBERING EXAMPLE:**

- **BOTTOM TYPE:** 09 - A 12B - 514 - 06
- **WIDTH:** 06 - 75
- **RAIL HEIGHT:** 09 - 75
- **MATERIAL:** 25 - 6 - 6A - 30 - 7 - 7
- **NEMA CLASS:** 514A - 1201 - 514B - 6301 - 514C - 8501

---

All Legrand aluminum and steel cable trays are classified by UL as equipment grounding conductors per NEC 392.60.

**UL File No. E407963**

---

For detailed material and finish descriptions, see page 6.
For detailed material and finish descriptions, see page 6.

### 90HB Horizontal 90° Elbow

<table>
<thead>
<tr>
<th>Radius (in)</th>
<th>Width (in)</th>
<th>Radius 2 (in)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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### 30HB Horizontal 30° Elbow

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---

### ITRAY Horizontal Elbow Catalog Numbering Example:

**ITRAY**

- **L** - Ladder Ring
- **C** - Vented Corrugated
- **D** - Solid Corrugated
- **W** - Solid Bottom

**Material Code**

- **LD** - Ladder Ring
- **VC** - Vented Corrugated
- **DC** - Solid Corrugated
- **WB** - Solid Bottom

**Usage Code**

- **W** - 24" Width
- **D** - 48" Width

For detailed material and finish descriptions, see page 6.
For detailed material and finish descriptions, see page 6.

**SR / LR / RR**

HORIZONTAL REDUCERS

**HT**

HORIZONTAL STANDARDTEE

**RT / ET**

HORIZONTAL REDUCING/EXPANDING TEES

---

**PW CABLE TRAY LADDER, TROUGH AND SOLID BOTTOM**

---

**ITRAY – FITTINGS**

---

**ITRAY HORIZONTAL REDUCER CATALOG NUMBERING EXAMPLE:**

**ITRAY HORIZONTAL REDUCER CATALOG NUMBERING EXAMPLE:**
For detailed material and finish descriptions, see page 6.

**YL / YR**
HORIZONTAL WYE BRANCHES

- **LEFT HAND**
- **RIGHT HAND**

**RX**
HORIZONTAL REDUCING CROSS

**HY**
HORIZONTAL STANDARD CROSS

**90VO**
VERTICAL OUTSIDE 90° ELBOW

**60VO**
VERTICAL OUTSIDE 60° ELBOW

**45VO**
VERTICAL OUTSIDE 45° ELBOW

**30VO**
VERTICAL OUTSIDE 30° ELBOW

**PW CABLE TRAY LADDER, TROUGH AND SOLID BOTTOM**

**ITRAV**
HORIZONTAL CROSS CATLOG NUMBERS EXAMPLE:

**ITRAV VERTICAL INSIDE ELBOW CATALOG NUMBERS EXAMPLE:**
For detailed material and finish descriptions, see page 6.

90VI VERTICAL INSIDE 90° ELBOW

60VI VERTICAL INSIDE 60° ELBOW

45VI VERTICAL INSIDE 45° ELBOW

30VI VERTICAL INSIDE 30° ELBOW

TD / TU VERTICAL TEES

VX VERTICAL CROSS

CS VERTICAL CABLE SUPPORT ELBOW

Supports cables at the top of long vertical drops where the weight of the vertical cable may be excessive. Hecks (sold separately) attach to the brace in the elbow; when used with cable grips (supplied by others), tension in the vertical cable is relieved and transferred to the elbow.

I-TRAY VERTICAL CABLE SUPPORT ELBOW

I-TRAY VERTICAL TEE CATALOG NUMBERING EXAMPLE:

I-TRAY VERTICAL INSIDE ELBOW CATALOG NUMBERING EXAMPLE:
### SFF / LFF / SPF Covers

**SOLID FLAT FLANGED**

**LOUVERED FLAT FLANGED**

**SOLID PEAKED FLANGED**

### Straight Section Cover Catalog Numbering Example:

**Material**

**A - LFF - S060 - 06**

**Length**

<table>
<thead>
<tr>
<th>A</th>
<th>06 - 06</th>
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</thead>
</table>

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

<table>
<thead>
<tr>
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### Horizontal Elbow Cover Catalog Numbering Example:

**Material**

**A - SFF - 90HB12 - 06**

**Width**

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</table>

**Cover Type**

- **A** - Aluminum for Ladder and Solid Flat Bottoms
- **AC** - Aluminum for Corrugated Bottoms
- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

<table>
<thead>
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</table>

### Vertical Outside Elbow Cover Catalog Numbering Example:

**Material**

**A - SFF - 90V024 - 12**

**Width**

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</table>

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

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### Vertical Inside Elbow Cover Catalog Numbering Example:

**Material**

**A - SFF - 90VI 24 - 12**

**Width**

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</table>

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

<table>
<thead>
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</thead>
</table>

### Horizontal Tee Cover Catalog Numbering Example:

**Material**

**A - SFF - HT12 - 06**

**Width**

| A  | 06 - 06 |

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

| A  | 06 - 12 |

### Horizontal Reducing Tee (RT), Expanding Tee (ET) and Reducing Cross (RX)

**Material**

**A - SFF - RT12 - 1206**

**Width**

| A  | 12 - 12 |

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

| A  | 12 - 36 |

### Horizontal Reducing Tee, Left Hand Reducer (LR) and Right Hand Reducer (RR)

**Material**

**A - SFF - SR12 - 1206**

**Width**

| A  | 12 - 12 |

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

| A  | 12 - 36 |

### Horizontal Left Hand Wye (YL) and Right Hand Wye (YR)

**Material**

**A - SFF - YL24 - 12**

**Width**

| A  | 12 - 12 |

**Cover Type**

- **SFF** - Solid Flat Flanged
- **LFF** - Louvered Flat Flanged
- **SPF** - Solid Peaked Flanged

| A  | 12 - 36 |

### FCC Flat Cover Connector

**Product Code**

| FCC | 04 - 04 |

### PCC Peaked Cover Connector

**Product Code**

| PCC | 04 - 04 |

---

For detailed material and finish descriptions, see page 6.
SSP STRAIGHT SPLICE KIT

- **PRODUCT CODE**: SSP
- **FASTENER OPTIONS**: 6A - SSP - 56
- **FEATURES**:
  - 12" length
  - Designed for splicing tray straight sections
  - Includes splices and tray connection hardware

FSP FITTING SPLICE KIT

- **PRODUCT CODE**: FSP
- **FASTENER OPTIONS**: 6A - FSP - 56
- **FEATURES**:
  - 90° length
  - Designed for splicing tray fittings
  - Includes splices and tray connection hardware

USP UNIVERSAL SPLICE KIT

- **PRODUCT CODE**: USP
- **FASTENER OPTIONS**: 6A - USP - 56
- **FEATURES**:
  - Designed to transition to PW G-channel and other I-beam systems
  - Includes splices and tray connection hardware

USPB UNIVERSAL BLANK SPLICE KIT

- **PRODUCT CODE**: USPB
- **FASTENER OPTIONS**: 6A - USPB - 56
- **FEATURES**:
  - Field drill for connection to trays from other manufacturers
  - Includes splices and tray connection hardware

EXSP EXPANSION SPLICE KIT

- **PRODUCT CODE**: EXSP
- **FASTENER OPTIONS**: 6A - EXSP - 56
- **FEATURES**:
  - Install as required P.x or NEMA VE-2 bpee p. 41
  - Includes splices and tray connection hardware

VHSP VERTICAL HANGER SPLICE KIT

- **PRODUCT CODE**: VHSP
- **FASTENER OPTIONS**: 6A - VHSP - 56
- **FEATURES**:
  - For vertical tray support with threaded rods
  - Includes splices and tray connection hardware

90SP 90° CONNECTOR SPLICE KIT

- **PRODUCT CODE**: 90SP
- **FASTENER OPTIONS**: 6A - 90SP - 06 - 0E
- **FEATURES**:
  - Includes 8 splice bolts for connecting trays

FFSP FLOOR FLANGE SPLICE KIT

- **PRODUCT CODE**: FFSP
- **FASTENER OPTIONS**: 6A - FFSP - 56
- **FEATURES**:
  - Includes splices and tray connection hardware

HASP HORIZONTAL ADJUSTABLE SPLICE KIT

- **PRODUCT CODE**: HASP
- **FASTENER OPTIONS**: 6A - HASP - 56
- **FEATURES**:
  - Field drill outer splices
  - Includes splices and tray connection hardware

VASP VERTICAL ADJUSTABLE SPLICE KIT

- **PRODUCT CODE**: VASP
- **FASTENER OPTIONS**: 6A - VASP - 56
- **FEATURES**:
  - Includes splices and tray connection hardware

SRSP STRAIGHT REDUCER SPLICE KIT

- **PRODUCT CODE**: SRSP
- **FASTENER OPTIONS**: 6A - SRSP - 06 - 0E
- **FEATURES**:
  - Each side is RN/2
  - Includes splices and tray connection hardware

ORSP OFFSET REDUCER SPLICE KIT

- **PRODUCT CODE**: ORSP
- **FASTENER OPTIONS**: 6A - ORSP - 06 - 56
- **FEATURES**:
  - Includes splices and tray connection hardware

For detailed material and finish descriptions, see page 6. For other products that fit tray specifications, look for the Itray Compatible logo on pages 40 thru 57.
PLUG AND PLAY SYSTEMS

• Includes splices and tray connection hardware

RHS/ REDUCING SPLICE KIT

Π Includes one frame and connection hardware

TBC/ TAT TO-BOX CONNECTOR (FRAME TYPE)

Π Includes one frame and connection hardware

DO/ DROP OUT KIT

Π Snaps in place over 1-rung

BE/ BLIND END KIT

Π Includes one frame and connection hardware

DIV/ VERTICAL ELBOW DIVIDERS

Π Each diver includes four self-drilling screws

CCLMP/ CABLE CLAMP

Π Secures MC cable to tray in vertical installations. One hand installation. Combination bolt/Phillips head.

Π Use maximum mm cable size when specifying clamp.

WPS/ WALL PENETRATION SLEEVE

Makes ladder tray wall penetrations weather resistant to minimize water intrusions. Removable cover/shield fastens to tray and wall penetration sleeve for the utmost in weather protection.

FWPS/ FIRE WALL PENETRATION SLEEVE

Provides a rigid support for cable tray at wall penetrations. Overall length of the sleeve is 20”. Will fit walls up to 8” thick. Bending jumpers are not required for use with wall sleeves. Two pairs of splice plates and fasteners are included for tray attachment.

Fabricated cable tray fire stop sleeves from Legrand, combined with Hilti Firestop products, are an economical alternative to the high cost of fabricating protective fire wall and floor penetration sleeves in the field. This firestop system provides a rigid support for cable tray in a UL classified system approved for fire wall and floor penetrations. After the sleeve is placed in the wall or floor, the loose collar slides over it. Hardware for the tray connection only is included. Hardware required to mount sleeves to the wall or floor is not included.

The Hilti Fire Block is a compressible fire stop brick, well-suited for installations where frequent cable changes may be required. Blocks are easily cut to fit any space, and can be removed and reinstalled when cable configurations change. When exposed to fire, the blocks expand to lock the seal in place.

Each cable tray firestop sleeve includes:

• One penetration sleeve with flanges
• Hilti Fire Blocks
• One Hilti Firestop Putty Stick
• Hardware for cable tray connection to the wall sleeve

For detailed material and finish descriptions, see page 5. For other products that fit tray specifications, look for the Tray Compatible logo on pages 40 thru 57.