

# 400, 800, 2300 & 2300D SERIES™ RACEWAYS

Two-Piece, Single- and Dual-Channel, Low Profile



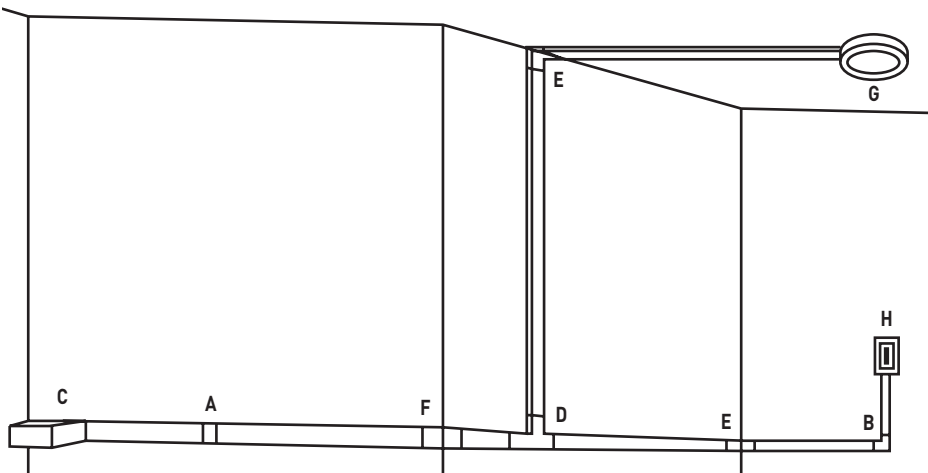
Two-piece, single- and dual-channel, low profile raceway. Easy-to-install and ideal for power or communication installations.

### CODE REFERENCE

**cULus Listed Raceway:**  
File E90378 Guide RJTX.  
Complies with flammability requirements of UL-5A.

**Fittings:**  
File E90377 Guide RJYT.  
Meets Article 388 of NEC.  
UL Listed for up to 600V.  
Meets Section 12-1600 of CEC.

## 400, 800, 2300 & 2300D Series Raceways System Layout



NOTE: Illustration is for showing product applications only.

### KEY

- A. 406, 806, 2306 Cover Clip
- B. 411, 811, 2311, 2311DFO Flat Elbow Fitting
- C. 810A2, 2310A, 2310DFO Entrance End Fitting
- D. 415, 815, 2315 Tee
- E. 417, 817, 2317, 2317DFO Internal Elbow
- F. 418, 818, 2318, 2318DFO External Elbow
- G. 2337A, 2338A Round Device Boxes
- H. 2344, 2347, 2348 Sure-Snap Device Boxes

### COLOR OPTIONS



400, 800, 2300 Series Raceway Part Numbers with a "-WH" suffix have a white finish. Part Numbers without a suffix have an ivory finish. 400, 800, 2300 Series Raceways are paintable using latex paint.

**Custom color options are also available. Consult the factory for more information.**

# 400, 800, 2300 & 2300D SERIES™ RACEWAYS

## Ordering Information

### 400 Series Raceway Wire Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D. (Approx. Dia.)		40% FILL
		Inches	[mm]	
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	[4.8]	1
	4-pair, 24 AWG, Cat 5e	0.210	[5.3]	1
	4-pair, 24 AWG, Cat 6	0.250	[6.3]	1
	4-pair, 24 AWG, Cat 6a*	0.354	[9.0]	0
	25-pair, 24 AWG	0.410	[10.4]	0
COAXIAL	RG6/U	0.270	[6.9]	0
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	1
	Round 4 Strand Fiber	0.187	[4.8]	1
	Round 6 Strand Fiber	0.256	[6.5]	1

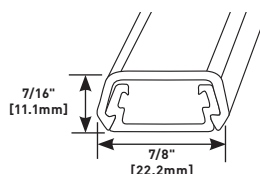
### 400 Series Raceway Wire Fill Capacities for Power

WIRE SIZE THHN/THWN	O.D.		NO. OF CONDUCTORS
	Inches	[mm]	
14 AWG	0.111	[2.8]	5
12 AWG	0.130	[3.3]	3
10 AWG	0.164	[4.2]	0

**NOTE: For additional information, refer to the Technical Section.**

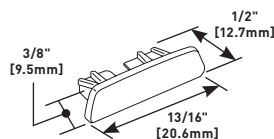
\* Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.

### 400BAC Raceway Base and Cover



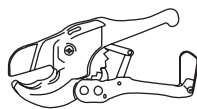
Low-profile, two-piece raceway with durable, textured PVC ivory or white finishes. Available in 5' [1.52m] lengths. Packed 100' [30.5m] per carton. Supplied with wide adhesive tape along its entire length. Also available in white (400BAC-WH).

### 410B Blank End Fitting



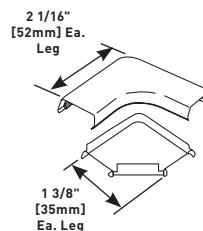
For closing open end of 400BAC Series Raceway. Also available in white (410B-WH).

### PVC-1 PVC Raceway Cutter



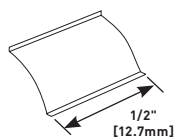
Regular duty cutter. Ideal for use with small nonmetallic raceways.

### 411 Flat Elbow



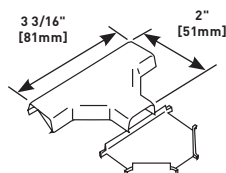
For right angle turns on same surface. Also available in white (411-WH).

### 400WC Wire Clip



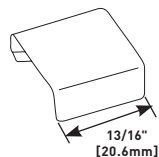
For holding conductors in place.

### 415 Tee



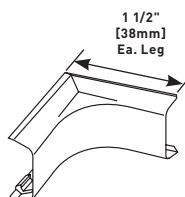
For branching of raceway running at right angles. Also available in white (415-WH).

### 406 Cover Clip



For covering joint where two pieces of 400BAC Series Raceway Cover come together. Also available in white (406-WH).

### 417 Internal Elbow



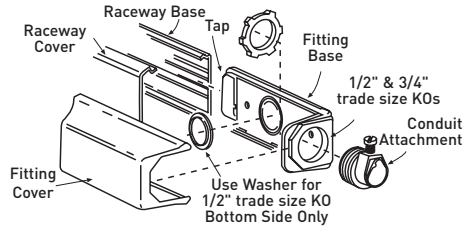
For right angle turns around internal corners. Also available in white (417-WH).

# 400, 800, 2300 & 2300D SERIES™ RACEWAYS

## Installation Details

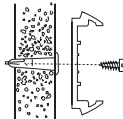
### 400, 800, 2300 Series Raceways Installation Details

- Bring in and connect feed wires using approved connection method. Assemble raceway cover to butt against the fitting base. Snap fitting cover onto base.



#### Install Base: 400BAC, 800BAC, 2300BAC

The adhesive on the 400BAC, 800BAC, 2300BAC and 2300BACD is intended to be used as an installation aid for positioning the product. Applications with power wire, screw fasteners must be used in addition to the adhesive. Applications with communication cable only, screw fasteners are recommended in addition to the adhesive.

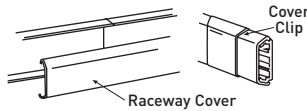


For low-voltage applications – 400BAC can be mounted with adhesive only (screw fasteners may be required depending on the cable quantity and size); 800BAC and 2300BAC require screw fasteners at 18" [457mm] intervals in addition to the adhesive.

Peel release paper from adhesive strip and mount immediately to surface. Adhesive-backed raceway should be mounted to a clean, dry, grease-free, smooth surface. Apply pressure along entire raceway base to insure proper adhesion.

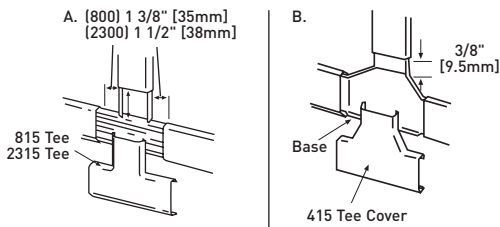
#### 2. To install runs of raceway cover:

Measure distance from fitting to fitting. Cut required length of cover. When two raceway sections butt together, cover sections should span base joints for maximum rigidity. When two raceway cover sections butt together, use cover clip as shown (406/806/2306).



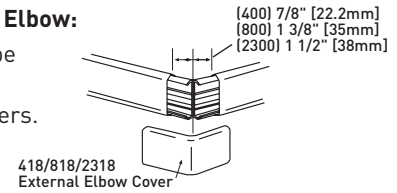
#### 3. Notching for Tee:

- Make two cuts on side of base to be notched. Notch to equal width of base. Break clean with pliers.
- Butt 400BAC Raceway Base to base of 415 Tee. Screw tee fitting base to wall. Cut 400BAC Raceway Cover 3/8" [95mm] shorter than base. Snap on 415 Tee.



#### 4. Notching for External Elbow:

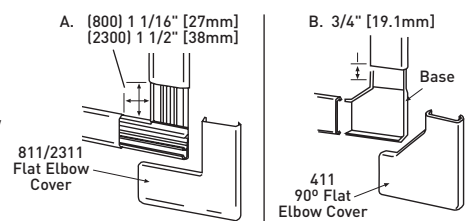
- Cut side of base to be notched.
- Break clean with pliers.



#### 5. Notching for Flat Elbow:

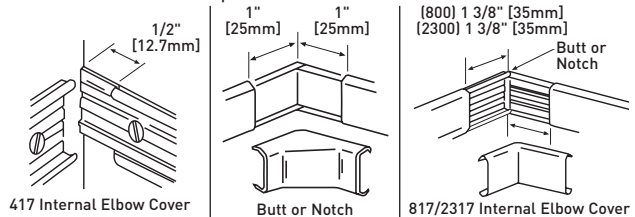
- Cut side of base to be notched. Notch to equal width of base. Break clean with pliers.

- Butt 400BAC Raceway Base to base of 411 Flat Elbow. Screw flat elbow base to wall. Cut 400BAC Raceway Cover 3/8" [9.5mm] shorter than base. Snap on 411 Flat Elbow Cover.



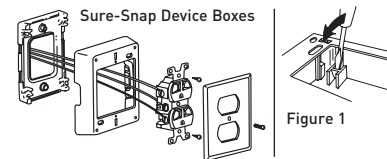
#### 6. Notching for Internal Elbow:

- Cut side of base to be notched.
- Break clean with pliers.

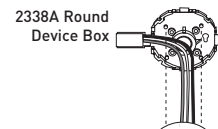


#### 7. All Sure-Snap® device boxes are packaged unassembled for easy installation.

During shipment the base and cover pieces may snap together. To unsnap the cover from base, place the blade of a screwdriver into the locking tab (Figure 1). Push downward and gently pry the cover from the base. Repeat at each corner if necessary.



- Mount the cover to the base by aligning key on the inside of the cover with one of the grooves on the base. Assemble with four screws. (Tap screws to seat.)



- Pull wiring through the center knockout and attach the base directly to in-ceiling box.

