

NONMETALLIC RACEWAY

Quick Selection Guide

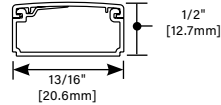
Power-Rated Single- & Dual-Channel Raceway Profiles

Eclipse™ Series Raceway*

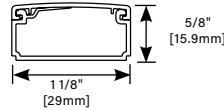


PN05L08 Raceway

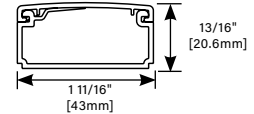
Eclipse PN03*
Capacity: 0.285 in.² [184mm²]



Eclipse PN05*
Capacity: 0.538 in.² [347mm²]



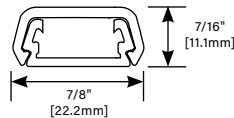
Eclipse PN10*
Capacity: 0.99 in.² [638.7mm²]



400 Series™ Raceway*



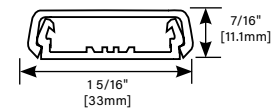
400BAC Raceway
Capacity: 0.130 in.² [83.9mm²]



800 Series™ Raceway*



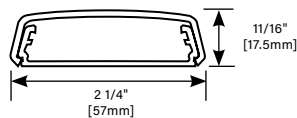
800BAC Raceway
Capacity: 0.272 in.² [175mm²]



2300 Series™ Raceway*



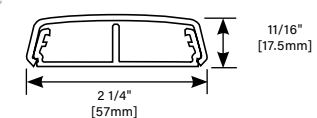
2300BAC Raceway
Capacity: 0.852 in.² [550mm²]



2300D Series™ Raceway*



2300BACD Raceway
Capacity: 0.426 in.² [275mm²]
Each Compartment



* UL Listed for up to 600V.

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

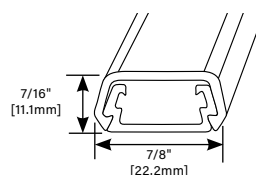
400 Series Raceway Wire Fill Capacities for Power

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.

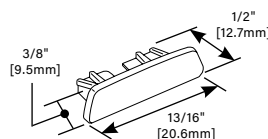
Raceway Base and Cover



PART NUMBERS:
400BAC (Ivory)
400BAC-WH (White)

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.

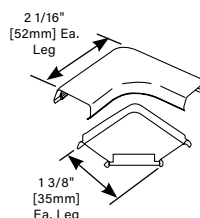
Blank End Fitting



PART NUMBERS:
410B (Ivory)
410B-WH (White)

For closing open end of 400BAC Series Raceway.

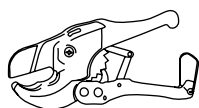
Flat Elbow



PART NUMBERS:
411 (Ivory)
411-WH (White)

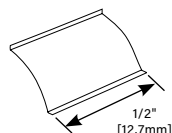
For right angle turns on same surface.

PVC-1 PVC Raceway Cutter



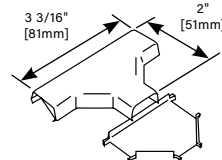
Regular duty cutter. Ideal for use with small nonmetallic raceways.

400WC Wire Clip



For holding conductors in place.

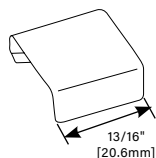
Tee



PART NUMBERS:
415 (Ivory)
415-WH (White)

For branching of raceway running at right angles.

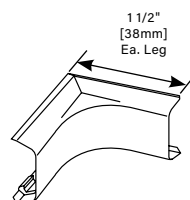
Cover Clip



PART NUMBERS:
406 (Ivory),
406-WH (White)

For covering joint where two pieces of 400BAC Series Raceway Cover come together.

Internal Elbow



PART NUMBERS:
417 (Ivory)
417-WH (White)

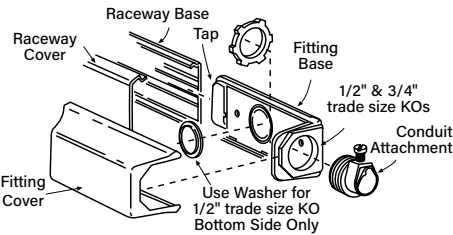
For right angle turns around internal corners.

400, 800, 2300 & 2300D SERIES™ RACEWAYS

Installation Details

400, 800, 2300 Series Raceways Installation Details

- 1. 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

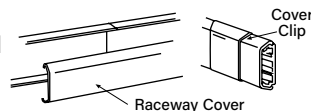
The adhesive on the 400BAC, 800BAC, 2300BAC and 2300BACD is intended to be used as an installation aid for positioning the product. Applications with power wire, screw fasteners must be used in addition to the adhesive. Applications with communication cable only, screw fasteners are recommended in addition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

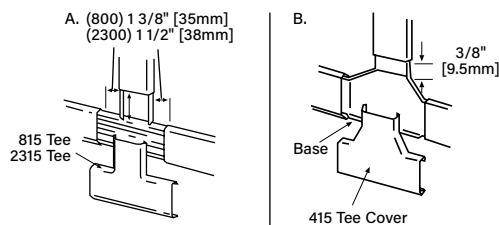
2. To install runs of raceway cover:

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).



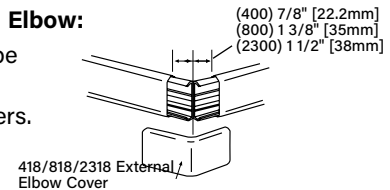
3. Notching for Tee:

- A. Make two cuts on side of base to be notched. Notch to equal width of base. Break clean with pliers.
B. Butt 400BAC Raceway Base to base of 415 Tee. Screw tee fitting base to wall. Cut 400BAC Raceway Cover 3/8" [9.5mm] shorter than base. Snap on 415 Tee.



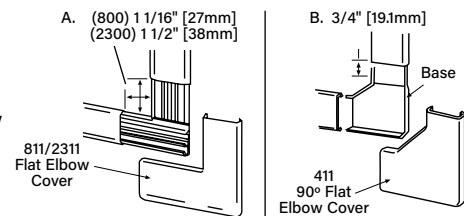
4. Notching for External Elbow:

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



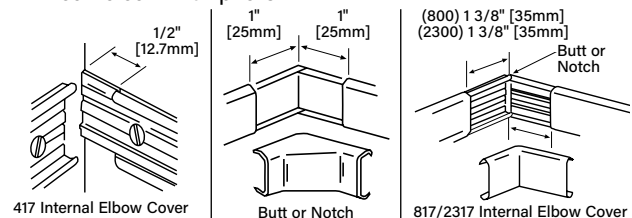
5. Notching for Flat Elbow:

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

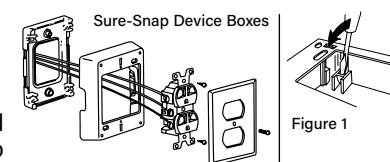


6. Notching for Internal Elbow:

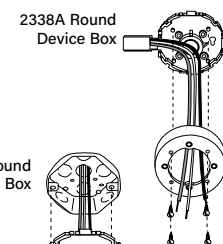
- A. Cut side of base to be notched.
B. Break clean with pliers.



- 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.**



- 8. 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.)**



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

