

WIREMOLD

 legrand®

400, 800, 2300, 2300D Series Raceway Systems

400, 800, 2300, 2300D Surface Nonmetallic Raceway Systems


For Low Voltage and Power Applications

The 400, 800, and 2300 Series, from The Wiremold Company, is a family of single compartment raceways for communication or power applications ideal for use in classrooms, office, and hotel applications or anywhere a small low profile raceway is needed. The 2300D Nonmetallic Divided Raceway is for use when power and low voltage cabling is required in the same raceway.



400, 800, 2300, and 2300D

Features & Benefits

- **Single and dual compartment low profile raceway design.** Provides functionality and flexibility with aesthetics for single or dual service applications.
- **Over-the-raceway box for 2300 and 2300D.** Boxes mount over continuous run of raceway base eliminating the need to cut raceway when locating devices.
- **Quick Fit™ integral faceplate.** Provides flush look and ease of installation. Eliminates the need for additional commercial faceplates.
- **Durable, textured PVC ivory or white finish.** Blends with walls and ceilings. Consult factory for special colors.
- **Datacom connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use.
- **Accommodates communication and/or power wiring.** Can be used for communications, computer lines, surveillance systems, fire alarms, outlets, and more.
- **Lightweight and easy to handle.** Saves time and labor costs. Standard 5' [1.525m] lengths can be easily installed by one person. Special lengths up to 10' [3.050m] are available.
- **FiberReady™ divided fittings.** For use with 2300 and 2300D. Full capacity, aesthetically pleasing fittings provide 2" [51mm] bend radius.
- **Snap-on cover.** Provides security with access to wiring for changes or additions.
- **Easy to cut.** Use a hacksaw or shears to cut raceway which speeds installation.
- **Choice of raceway sizes with full line of fittings and accessories.** Facilitates easy installation of wiring for whatever the job requires: communication devices, receptacles, switches, temperature controls, etc.
- **Ratings:** UL 600V (UL5A), CSA 300V (CSA 22.2 No. 62-93).
- 

Raceway Profiles

Catalog No./Item	Description/Specifications
400BAC*/800 BAC*/ 2300BAC*/2300BACD*	Base & Cover – Base and cover manufactured of rigid PVC compounds. Cover matte texture. Packed ten 5' [1.5m] lengths per carton.
400BAC*	800BAC*
2300BAC*	2300BACD*

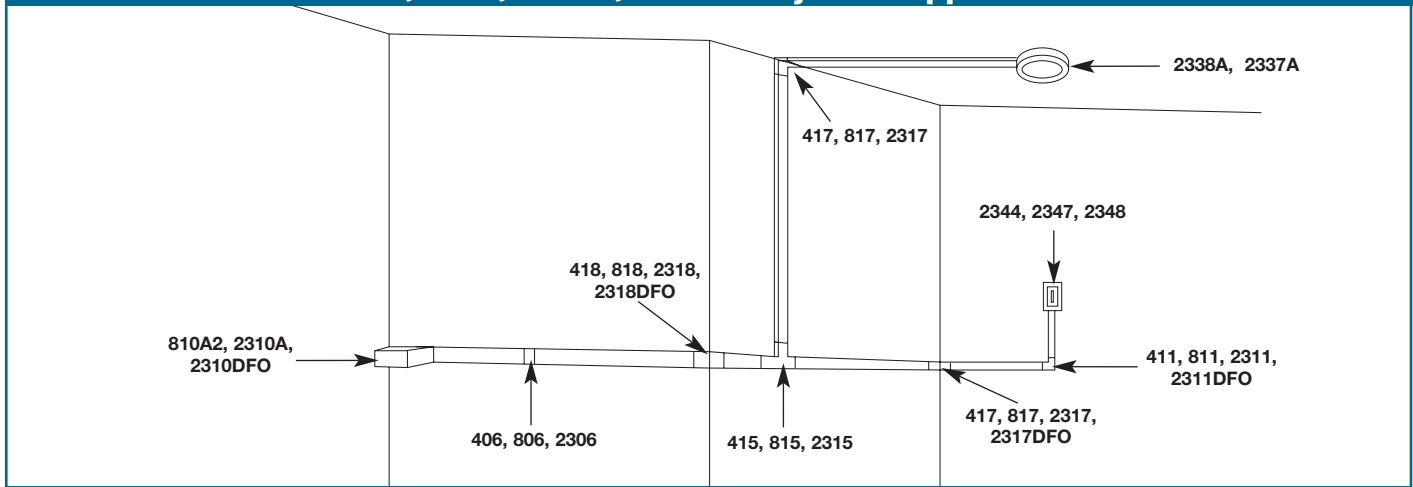
400, 800, 2300 Surface Nonmetallic Raceway Fittings

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications																		
400WC* 800WC* 2300WC*	Wire Clip – For holding conductors in place.	417*	Internal Elbow – For surfaces at right angles.																		
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>400WC</td> <td>3/4" [19.1mm]</td> </tr> <tr> <td>800WC</td> <td>1" [25mm]</td> </tr> <tr> <td>2300WC</td> <td>1" [25mm]</td> </tr> </tbody> </table>	Cat No.	A	400WC	3/4" [19.1mm]	800WC	1" [25mm]	2300WC	1" [25mm]												
Cat No.	A																				
400WC	3/4" [19.1mm]																				
800WC	1" [25mm]																				
2300WC	1" [25mm]																				
406/806/2306*	Cover Clip – For covering joint of two pieces of 400, 800, or 2300 Cover.	418/818/2318*/**	90° External Elbow – For right angle turns around external corners.																		
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>406</td> <td>13/16" [20.8mm]</td> </tr> <tr> <td>806</td> <td>1" [25mm]</td> </tr> <tr> <td>2306</td> <td>2" [51mm]</td> </tr> </tbody> </table>	Cat No.	A	406	13/16" [20.8mm]	806	1" [25mm]	2306	2" [51mm]		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>418</td> <td>1 1/2" [38mm]</td> </tr> <tr> <td>818</td> <td>2" [51mm]</td> </tr> <tr> <td>2318</td> <td>2 1/2" [64mm]</td> </tr> </tbody> </table>	Cat No.	A	418	1 1/2" [38mm]	818	2" [51mm]	2318	2 1/2" [64mm]		
Cat No.	A																				
406	13/16" [20.8mm]																				
806	1" [25mm]																				
2306	2" [51mm]																				
Cat No.	A																				
418	1 1/2" [38mm]																				
818	2" [51mm]																				
2318	2 1/2" [64mm]																				
410B/810B/2310B*	Blank End Fitting – For closing end of 400, 800, or 2300 Raceway.	811/2311*/**	90° Flat Elbow – For right angle turns on same surface.																		
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>410B</td> <td>13/16" [20.6mm]</td> <td>1/2" [12.7mm]</td> </tr> <tr> <td>810B</td> <td>1 1/4" [32mm]</td> <td>1/2" [12.7mm]</td> </tr> <tr> <td>2310B</td> <td>2 1/4" [57mm]</td> <td>1" [25mm]</td> </tr> </tbody> </table>	Cat No.	A	B	410B	13/16" [20.6mm]	1/2" [12.7mm]	810B	1 1/4" [32mm]	1/2" [12.7mm]	2310B	2 1/4" [57mm]	1" [25mm]		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>811</td> <td>2 1/2" [64mm]</td> </tr> <tr> <td>2311</td> <td>4 3/16" [107mm]</td> </tr> </tbody> </table>	Cat No.	A	811	2 1/2" [64mm]	2311	4 3/16" [107mm]
Cat No.	A	B																			
410B	13/16" [20.6mm]	1/2" [12.7mm]																			
810B	1 1/4" [32mm]	1/2" [12.7mm]																			
2310B	2 1/4" [57mm]	1" [25mm]																			
Cat No.	A																				
811	2 1/2" [64mm]																				
2311	4 3/16" [107mm]																				
411*	90° Flat Elbow – For right angle turns on same surface.	815/2315*/**	Tee – For branches at right angles.																		
			<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>815</td> <td>4 1/8" [105mm]</td> <td>2 3/4" [70mm]</td> </tr> <tr> <td>2315</td> <td>6" [152mm]</td> <td>4 1/8" [105mm]</td> </tr> </tbody> </table>	Cat No.	A	B	815	4 1/8" [105mm]	2 3/4" [70mm]	2315	6" [152mm]	4 1/8" [105mm]									
Cat No.	A	B																			
815	4 1/8" [105mm]	2 3/4" [70mm]																			
2315	6" [152mm]	4 1/8" [105mm]																			
415*	Tee – For branches at right angles.	817/2317*	Internal Elbow – For surfaces at right angles.																		
			<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Cat No.</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>817</td> <td>2" [51mm]</td> </tr> <tr> <td>2317</td> <td>2 1/2" [64mm]</td> </tr> </tbody> </table>	Cat No.	A	817	2" [51mm]	2317	2 1/2" [64mm]												
Cat No.	A																				
817	2" [51mm]																				
2317	2 1/2" [64mm]																				

* Add "WH" suffix for White finish.

** For 2300BCD and 2300BACD Raceway must be mitered to use 2311 and 2318. 2315 cannot be used in divided raceway.

400, 800, 2300, 2300D System Application



NOTE: Illustration shows product applications only.

400 / 800 / 2300 / 2300D Raceway Cable Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D.		400		800		2300		2300D	
		inches	[mm]	20%*	40%**	20%*	40%**	20%*	40%**	each compartment	
										20%*	40%**
UNSHIELDED TWISTED PAIR	4-Pair, 24 AWG Cat. 3	0.190	[4.8]	0	1	1	3	5	11	2	5
	4-Pair, 24 AWG Cat. 5e	0.220	[5.3]	0	1	1	3	4	9	2	4
	4-Pair, 24 AWG Cat. 6	0.250	[6.3]	0	1	1	2	3	6	1	3
TELEPHONE	2-Pair, 24 AWG	0.140	[3.6]	1	3	3	7	11	22	5	11
	3-Pair, 24 AWG	0.150	[3.8]	1	2	3	6	9	19	4	9
	4-Pair, 24 AWG	0.190	[4.8]	0	1	1	3	5	11	2	5
	25-Pair, 24 AWG	0.410	[10.4]	0	0	0	0	1	2	0	1
COAXIAL	RG58/U	0.195	[5.0]	0	1	1	3	5	11	2	5
	RG59/U	0.242	[6.1]	0	1	1	2	3	7	1	3
	RG62/U	0.242	[6.1]	0	1	1	2	3	7	1	3
	RG6/U	0.270	[6.9]	0	0	0	1	2	5	1	2
TWINAXIAL	100 Ohm	0.330	[8.4]	0	0	0	1	1	3	0	1
SHIELDED TWISTED PAIR	TYPE 1	0.390	[9.9]	0	0	0	0	1	2	0	1
	TYPE 2	0.465	[11.8]	0	0	0	0	1	2	0	1
	TYPE 3	0.245	[6.2]	0	1	1	2	3	7	1	3
FIBER	Mini Zip Cord	0.079 x 0.157	[2 x 4]	2	4	4	8	13	27	6	13
	Zip Cord	0.118 x 0.157	[3 x 6]	0	1	1	3	6	12	3	6
	Round 4 Strand Fiber	0.187	[4.8]	0	1	1	3	6	12	3	6
	Round 6 Strand Fiber	0.256	[6.5]	0	1	1	2	3	6	1	3

*20% cable fill is calculated to approximate reduction in cable capacity due to connectors mounted within raceway and fittings that may restrict cross sectional area.

**40% cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.

400 / 800 / 2300 / 2300D Raceway Wire Capacities for Power

40% FILL	WIRE SIZE THHN		
	10 AWG	12 AWG	14 AWG
400	—	3	5
800	4	5	6
2300	12	18	25
2300D*	5	8	12

*each compartment.