

# **WIREMOLD**<sup>®</sup> 500<sup>®</sup> & 700<sup>®</sup> Series Raceway

## **One-Piece Steel Surface Raceway**

Wiremold<sup>®</sup> 500<sup>®</sup> and 700<sup>®</sup> Series Raceway is ideal for surface mounting small amounts of electrical wiring or communication cables. These rugged raceways offer a low profile appearance which blend with any decor. 500<sup>®</sup> and 700<sup>®</sup> Series Raceway all come with our exclusive ScuffCoat<sup>™</sup> finish for increased durability and scratch-resistance.



500 and 700 Series Raceway profiles.

500 Series Raceway and components used in a ceiling fan installation.

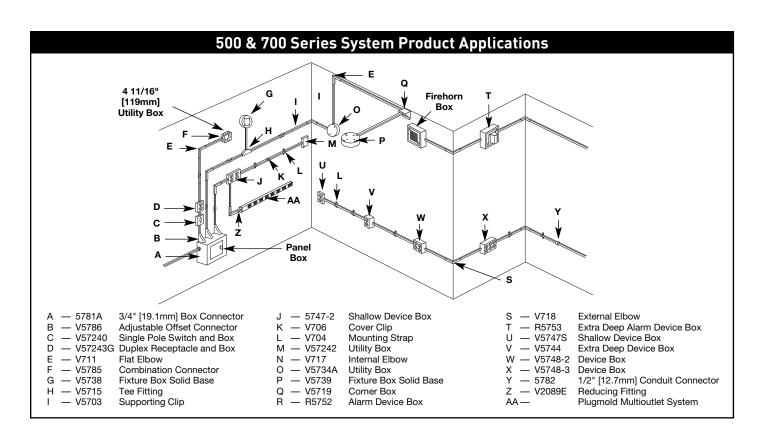
#### FEATURES & BENEFITS

- Low-profile, unobtrusive appearance. Blends with any decor or setting. Excellent for low-voltage wiring.
- ScuffCoat finish. Tough, durable, scratch-resistant finish which can be overpainted with latex paint.
- Surface mounting. Eliminates disturbing the building structure or wall finish to make renovations easy.
- V5748-3 Device Box accommodates wireless. Designed for use with Ortronics<sup>®</sup> Wi-Jack<sup>™</sup> Wireless Access Points.
- Full line of fittings. Provides unlimited wiring solutions and interconnection between raceway systems.
- More choice of colors. 700 Series Raceway and Fittings are available in ivory and white.

- Fittings have removable covers. Allows easy access to wiring for changes and additions.
- Raceway cutters with replaceable blades. Cuts raceway cleanly, reduces labor, and installation time.
- 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.
- UL5 and ADA compliant. Raceway and fittings meet UL5 specifications and can be installed in conformance with ADA requirements.
- UL and cUL Listed component raceways. File E4376 Guide RJBT, Fittings: File E41751 Guide RJPR. Meets Article 386 of NEC and meets Section 12-600 of CEC.



Typical applications for 500 & 700 Series Raceway.



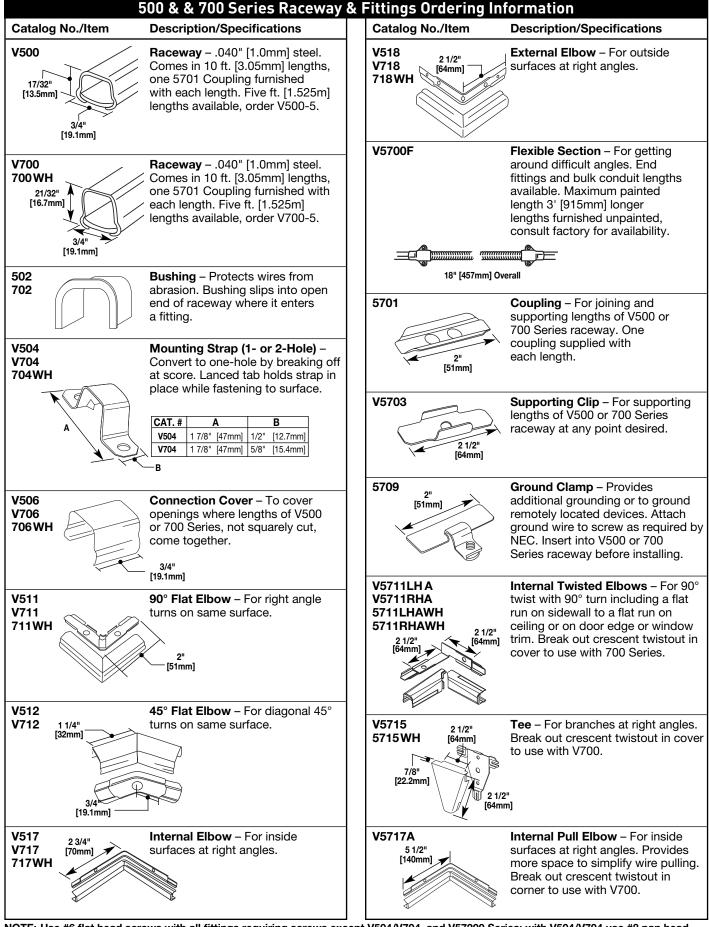
### V500 & V700 Series Wire Fill Capacity Charts

V500/V700 Series Raceway Wire Fill Capacities for Power					
WIRE SIZE THHN/THWN	C inches	).D. [mm]	NUMBER OF COND V500 SERIES	UCTORS 40% FILL V700 SERIES	
14 AWG	0.111	[2.8]	7	10	
12 AWG	0.130	[3.3]	5	7	
10 AWG	0.164	[4.2]	3	4	

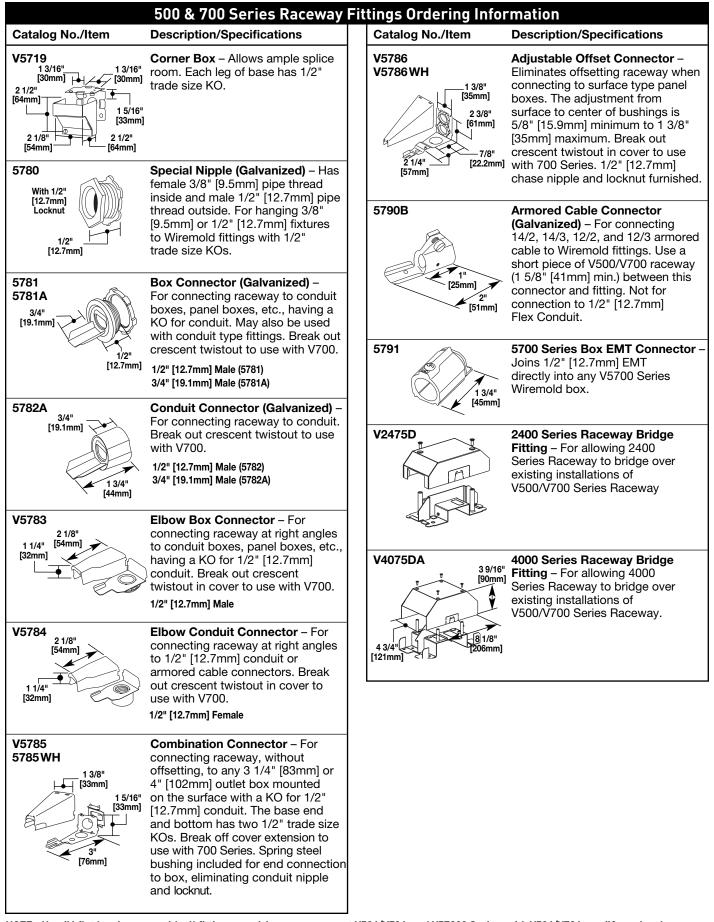
V500/V700 Series Raceway Wire Fill Capacities for Communications							
		0.D.		V500 SERIES		V700 SERIES	
	CABLE/WIRE SIZE	inches	[mm]	20% FILL*	40% FILL**	20% FILL*	40% FILL**
UNSHIELDED	4-pair, 24 AWG, Cat 3	0.190	[4.8]	1	2	1	3
TWISTED PAIR	4-pair, 24 AWG, Cat 5e	0.210	[5.3]	1	2	1	3
	4-pair, 24 AWG, Cat 6	0.250	[6.3]	0	1	1	2
TELEPHONE	2-pair, 24 AWG	0.140	[3.6]	2	4	3	6
	3-pair, 24 AWG	0.150	[3.8]	2	4	2	5
	4-pair, 24 AWG	0.190	[4.8]	1	2	1	3
	25-pair, 24 AWG	0.410	[10.4]	0	0	0	0
COAXIAL	RG58/U	0.195	[5.0]	1	2	1	3
	RG59/U	0.242	[6.1]	0	1	1	2
	RG62/U	0.242	[6.1]	0	1	1	2
	RG6/U	0.270	[6.9]	0	1	0	1
TWINAXIAL	100 Ohm	0.330	[8.4]	0	0	0	1
SHIELDED	TYPE 1	0.390	[9.9]	0	0	0	0
TWISTED PAIR	TYPE 2	0.465	[11.8]	0	0	0	0
	TYPE 3	0.245	[6.2]	0	1	0	1
FIBER	Mini ZipCord	0.079 x 0.157	[2 x 4]	3	6	4	8
ZipCord		0.118 x 0.236	[3 x 6]	1	2	1	3
Round 4 Strand Fiber		0.187	[4.8]	1	2	1	3
	Round 6 Strand Fiber	0.256	[6.5]	0	1	1	2

\* 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.

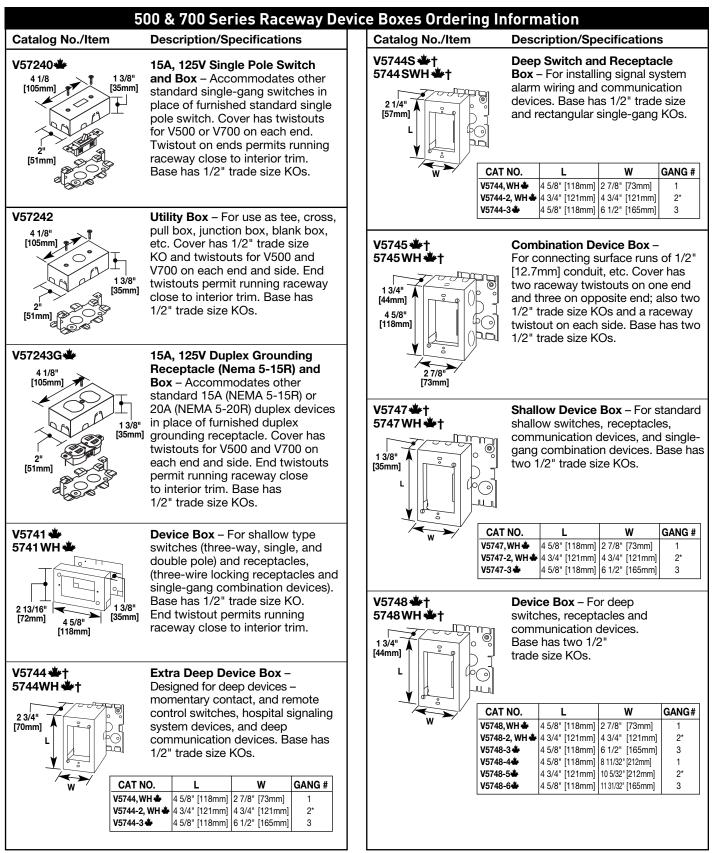
\*\* 40% cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.



NOTE: Use #6 flat head screws with all fittings requiring screws except V504/V704, and V57200 Series; with V504/V704 use #8 pan head screws; with V57200 Series use #8 flat head screws.

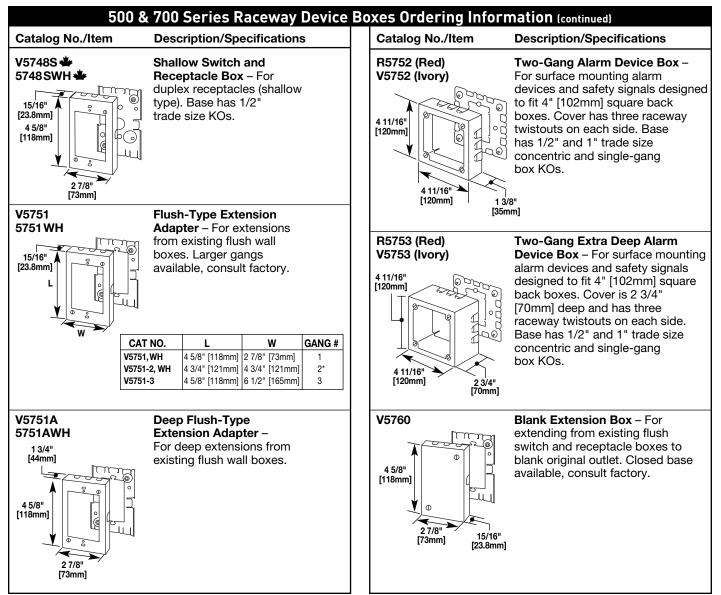


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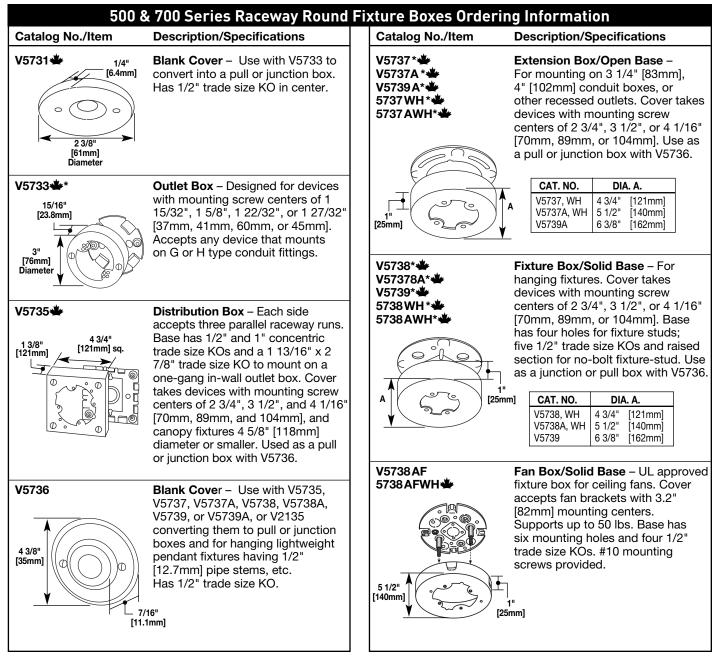
NOTES: Covers on this page have double twistouts. Break out lower twistout for use with V500, and both twistouts for use with V700. \* V5744-2 and V5744S-2 Base and V5747-2 and V5748-2 Base have 1/2" and 1" concentric trade size KOs and a 1 13/16" x 2 7/8" [47mm x 73mm] rectangular KO to permit mounting on a one-gang in-wall outlet box.

- \* Replace V with VC or WH with WHC to denote Canadian version Agency approved for sale in Canada.
- † Larger gangs available, consult factory.



NOTES: Covers on this page have double twistouts. Break out lower twistout for use with V500, and both twistouts for use with V700. \* V5744-2 and V5744S-2 Base and V5747-2 and V5748-2 Base have 1/2" and 1" concentric trade size KOs and a 1 13/16" x 2 7/8" [47mm x 73mm] rectangular KO to permit mounting on a one-gang in-wall outlet box.

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- † Larger gangs available, consult factory.



NOTE: Covers have double twistouts; Lower twistout for V500, and both twistouts for V700.

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\* These boxes are not designed to support ceiling fans. For fan applications, use V5738AF.

500 & 700 Series Raceway Tools Ordering Information					
Catalog No./Item	Description/Specifications		Catalog No./Item	Description/Specifications	
605 607	V500 Raceway Cutter 700 Series Raceway Cutter – Single action portable cutter.		5700LL	Laser Level for 500/700 Series Raceway – Attaches to outlet box base and raceway fittings for perfect alignment of runs of racewy.	
605K 607K	Replacement blade for 605 and 607 cutters – Replacement case- hardened steel blades cut clean and square.	placement case-	5700CG	Cutting Guide for 500/700 Series Raceway – Attaches to step ladder and holds raceway channel securely for accurate cuts.	



#### **Electrical Wiring Systems**

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