

One-Piece Steel Surface Raceway

Wiremold® 500® and 700® 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® and 700® Series Raceway all come with our exclusive ScuffCoat™ finish for increased durability and scratch-resistance.

500 and 700 Series Raceway profiles.



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



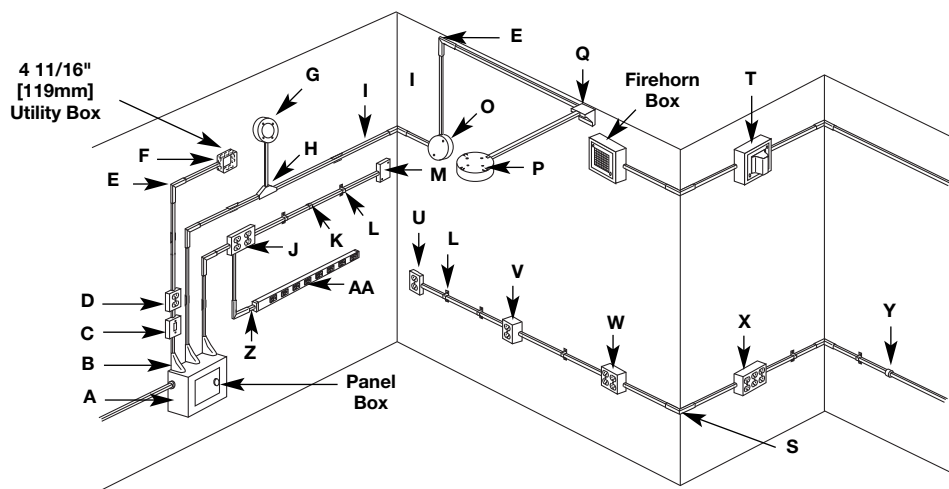
FEATURES & BENEFITS

- **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® Wi-Jack™ 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.



500 & 700 Series System Product Applications



- A — 5781A 3/4" [19.1mm] Box Connector
- B — V5786 Adjustable Offset Connector
- C — V57240 Single Pole Switch and Box
- D — V57243G Duplex Receptacle and Box
- E — V711 Flat Elbow
- F — V5785 Combination Connector
- G — V5738 Fixture Box Solid Base
- H — V5715 Tee Fitting
- I — V5703 Supporting Clip

- J — 5747-2 Shallow Device Box
- K — V706 Cover Clip
- L — V704 Mounting Strap
- M — V57242 Utility Box
- N — V717 Internal Elbow
- O — V5734A Utility Box
- P — V5739 Fixture Box Solid Base
- Q — V5719 Corner Box
- R — R5752 Alarm Device Box

- S — V718 External Elbow
- T — R5753 Extra Deep Alarm Device Box
- U — V5747S Shallow Device Box
- V — V5744 Extra Deep Device Box
- W — V5748-2 Device Box
- X — V5748-3 Device Box
- Y — 5782 1/2" [12.7mm] Conduit Connector
- Z — V2089E Reducing Fitting
- AA — Plugmold Multioutlet System

V500 & V700 Series Wire Fill Capacity Charts

V500/V700 Series Raceway Wire Fill Capacities for Power

WIRE SIZE THHN/THWN	O.D.		NUMBER OF CONDUCTORS 40% FILL	
	inches	[mm]	V500 SERIES	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

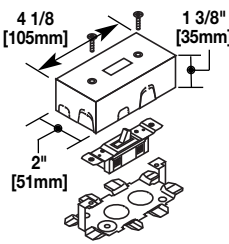
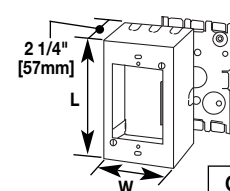
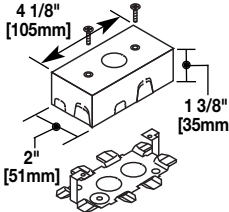
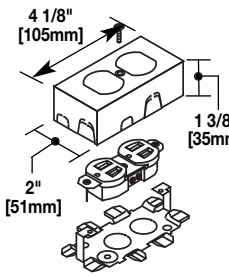
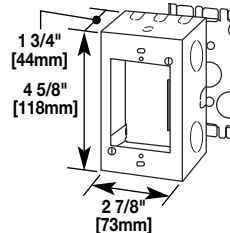
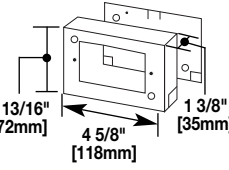
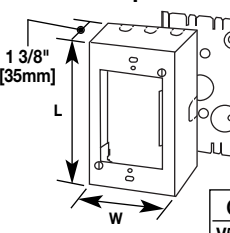
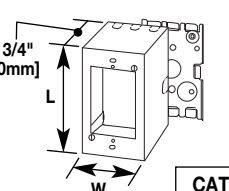
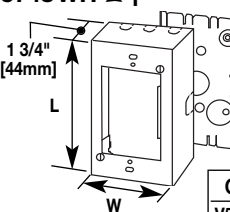
V500/V700 Series Raceway Wire Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D.		V500 SERIES		V700 SERIES	
		inches	[mm]	20% FILL*	40% FILL**	20% FILL*	40% FILL**
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	[4.8]	1	2	1	3
	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 TWISTED PAIR	TYPE 1	0.390	[9.9]	0	0	0	0
	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.

500 & 700 Series Raceway Device Boxes Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications																												
V57240  	15A, 125V Single Pole Switch and Box – Accommodates other standard single-gang switches in place of furnished standard single pole switch. Cover has twistouts for V500 or V700 on each end. Twistout on ends permits running raceway close to interior trim. Base has 1/2" trade size KOs.	V5744S  5744SWH  	Deep Switch and Receptacle Box – For installing signal system alarm wiring and communication devices. Base has 1/2" trade size and rectangular single-gang KOs.																												
V57242 	Utility Box – For use as tee, cross, pull box, junction box, blank box, etc. Cover has 1/2" trade size KO and twistouts for V500 and V700 on each end and side. End twistouts permit running raceway close to interior trim. Base has 1/2" trade size KOs.	<table border="1"> <thead> <tr> <th>CAT NO.</th><th>L</th><th>W</th><th>GANG #</th></tr> </thead> <tbody> <tr> <td>V5744, WH </td><td>4 5/8" [118mm]</td><td>2 7/8" [73mm]</td><td>1</td></tr> <tr> <td>V5744-2, WH </td><td>4 3/4" [121mm]</td><td>4 3/4" [121mm]</td><td>2*</td></tr> <tr> <td>V5744-3 </td><td>4 5/8" [118mm]</td><td>6 1/2" [165mm]</td><td>3</td></tr> </tbody> </table>	CAT NO.	L	W	GANG #	V5744, WH 	4 5/8" [118mm]	2 7/8" [73mm]	1	V5744-2, WH 	4 3/4" [121mm]	4 3/4" [121mm]	2*	V5744-3 	4 5/8" [118mm]	6 1/2" [165mm]	3													
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V57243G  	15A, 125V Duplex Grounding Receptacle (Nema 5-15R) and Box – Accommodates other standard 15A (NEMA 5-15R) or 20A (NEMA 5-20R) duplex devices in place of furnished duplex grounding receptacle. Cover has twistouts for V500 and V700 on each end and side. End twistouts permit running raceway close to interior trim. Base has 1/2" trade size KOs.	V5745  5745WH  	Combination Device Box – For connecting surface runs of 1/2" [12.7mm] conduit, etc. Cover has two raceway twistouts on one end and three on opposite end; also two 1/2" trade size KOs and a raceway twistout on each side. Base has two 1/2" trade size KOs.																												
V5741  5741WH  	Device Box – For shallow type switches (three-way, single, and double pole) and receptacles, (three-wire locking receptacles and single-gang combination devices). Base has 1/2" trade size KO. End twistout permits running raceway close to interior trim.	V5747  5747WH  	Shallow Device Box – For standard shallow switches, receptacles, communication devices, and single-gang combination devices. Base has two 1/2" trade size KOs.																												
V5744  5744WH  	Extra Deep Device Box – Designed for deep devices – momentary contact, and remote control switches, hospital signaling system devices, and deep communication devices. Base has 1/2" trade size KOs.	<table border="1"> <thead> <tr> <th>CAT NO.</th><th>L</th><th>W</th><th>GANG #</th></tr> </thead> <tbody> <tr> <td>V5747, WH </td><td>4 5/8" [118mm]</td><td>2 7/8" [73mm]</td><td>1</td></tr> <tr> <td>V5747-2, WH </td><td>4 3/4" [121mm]</td><td>4 3/4" [121mm]</td><td>2*</td></tr> <tr> <td>V5747-3 </td><td>4 5/8" [118mm]</td><td>6 1/2" [165mm]</td><td>3</td></tr> </tbody> </table>	CAT NO.	L	W	GANG #	V5747, WH 	4 5/8" [118mm]	2 7/8" [73mm]	1	V5747-2, WH 	4 3/4" [121mm]	4 3/4" [121mm]	2*	V5747-3 	4 5/8" [118mm]	6 1/2" [165mm]	3													
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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.