

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.



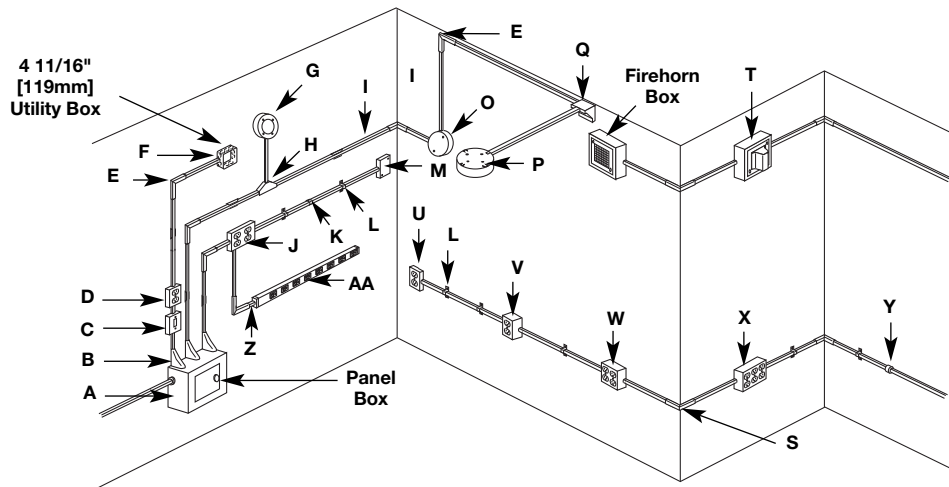
FEATURES & BENEFITS

- **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 | J — 5747-2 | Shallow Device Box | S — V718 | External Elbow |
| B — V5786 | Adjustable Offset Connector | K — V706 | Cover Clip | T — R5753 | Extra Deep Alarm Device Box |
| C — V57240 | Single Pole Switch and Box | L — V704 | Mounting Strap | U — V5747S | Shallow Device Box |
| D — V57243G | Duplex Receptacle and Box | M — V57242 | Utility Box | V — V5744 | Extra Deep Device Box |
| E — V711 | Flat Elbow | N — V717 | Internal Elbow | W — V5748-2 | Device Box |
| F — V5785 | Combination Connector | O — V5734A | Utility Box | X — V5748-3 | Device Box |
| G — V5738 | Fixture Box Solid Base | P — V5739 | Fixture Box Solid Base | Y — 5782 | 1/2" [12.7mm] Conduit Connector |
| H — V5715 | Tee Fitting | Q — V5719 | Corner Box | Z — V2089E | Reducing Fitting |
| I — V5703 | Supporting Clip | R — R5752 | Alarm Device Box | 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



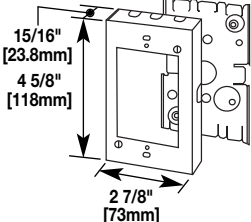
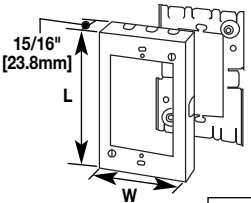
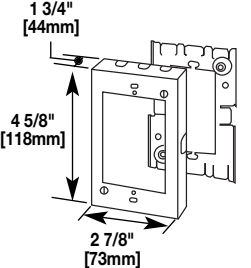
V500/V700 Series Raceway Wire Fill Capacities for Communications

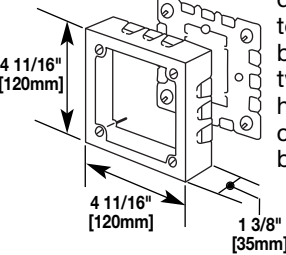
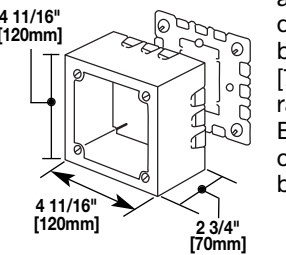
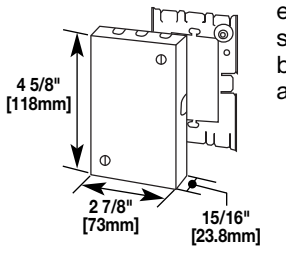
	CABLE/WIRE SIZE	O.D.		V500 SERIES		V700 SERIES	
		inches	[mm]	20% FILL*	40% FILL**	20% FILL*	40% FILL**
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	[4.8]	1	2	1	3
	4-pair, 24 AWG, Cat 5e	0.210	[5.3]	1	2	1	3
	4-pair, 24 AWG, Cat 6	0.250	[6.3]	0	1	1	2
TELEPHONE	2-pair, 24 AWG	0.140	[3.6]	2	4	3	6
	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 (continued)

Catalog No./Item	Description/Specifications																
V5748S  5748SWH  	Shallow Switch and Receptacle Box – For duplex receptacles (shallow type). Base has 1/2" trade size KOs.																
V5751 5751 WH 	Flush-Type Extension Adapter – For extensions from existing flush wall boxes. Larger gangs available, consult factory.																
<table><tr><th>CAT NO.</th><th>L</th><th>W</th><th>GANG #</th></tr><tr><td>V5751, WH</td><td>4 5/8" [118mm]</td><td>2 7/8" [73mm]</td><td>1</td></tr><tr><td>V5751-2, WH</td><td>4 3/4" [121mm]</td><td>4 3/4" [121mm]</td><td>2*</td></tr><tr><td>V5751-3</td><td>4 5/8" [118mm]</td><td>6 1/2" [165mm]</td><td>3</td></tr></table>		CAT NO.	L	W	GANG #	V5751, WH	4 5/8" [118mm]	2 7/8" [73mm]	1	V5751-2, WH	4 3/4" [121mm]	4 3/4" [121mm]	2*	V5751-3	4 5/8" [118mm]	6 1/2" [165mm]	3
CAT NO.	L	W	GANG #														
V5751, WH	4 5/8" [118mm]	2 7/8" [73mm]	1														
V5751-2, WH	4 3/4" [121mm]	4 3/4" [121mm]	2*														
V5751-3	4 5/8" [118mm]	6 1/2" [165mm]	3														
V5751A 5751AWH 	Deep Flush-Type Extension Adapter – For deep extensions from existing flush wall boxes.																

Catalog No./Item	Description/Specifications
R5752 (Red) V5752 (Ivory) 	Two-Gang Alarm Device Box – For surface mounting alarm devices and safety signals designed to fit 4" [102mm] square back boxes. Cover has three raceway twistouts on each side. Base has 1/2" and 1" trade size concentric and single-gang box KOs.
R5753 (Red) V5753 (Ivory) 	Two-Gang Extra Deep Alarm Device Box – For surface mounting alarm devices and safety signals designed to fit 4" [102mm] square back boxes. Cover is 2 3/4" [70mm] deep and has three raceway twistouts on each side. Base has 1/2" and 1" trade size concentric and single-gang box KOs.
V5760 	Blank Extension Box – For extending from existing flush switch and receptacle boxes to blank original outlet. Closed base 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.

 Replace V with VC or WH with WHC to denote Canadian version — Agency approved for sale in Canada. 

† Larger gangs available, consult factory.