

500[®] & 700[®] Series Steel Raceway

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.

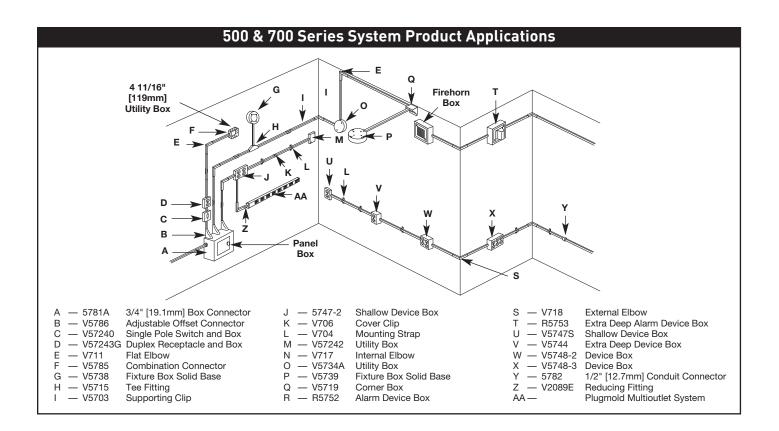
- Fittings have removable covers. Allows easy access to wiring for changes and additions.
- Raceway cutters with replaceable blades. Cuts raceway cleanly, reduces labor, and installation time.
- Datacom connectivity options. Accepts industry standard and proprietary devices from a wide range of manufacturers 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.



V500 & V700 Series Wire Fill Capacity Charts

V500/V700 Series Raceway Wire Fill Capacities for Power					
WIRE SIZE THHN/THWN	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							
		O.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.

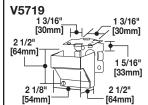
500 & &00 Series Raceway & Fittings Ordering Information Catalog No./Item **Description/Specifications** Catalog No./Item **Description/Specifications** V518 V500 Raceway - .040" [1.0mm] steel. External Elbow - For outside Comes in 10 ft. [3.05mm] lengths, **V718** surfaces at right angles. [64mm] one 5701 Coupling furnished 718WH with each length. Five ft. [1.525m] [13.5mm] lengths available, order V500-5. 3/4" [19.1mm] V5700F Flexible Section – For getting V700 around difficult angles. End Raceway - .040" [1.0mm] steel. 700 WH Comes in 10 ft. [3.05mm] lengths. fittings and bulk conduit lengths one 5701 Coupling furnished with available. Maximum painted 21/32" [16.7mm] each length. Five ft. [1.525m] length 3' [915mm] longer lengths available, order V700-5. lengths furnished unpainted, consult factory for availability. 3/4" [19.1mm] mmmmm amaaaaa **Bushing** – Protects wires from 502 18" [457mm] Overall abrasion. Bushing slips into open 702 5701 end of raceway where it enters Coupling – For joining and a fitting. supporting lengths of V500 or 700 Series raceway. One coupling supplied with V504 Mounting Strap (1- or 2-Hole) each length. 2" V704 Convert to one-hole by breaking off [51mm] 704WH at score. Lanced tab holds strap in place while fastening to surface. V5703 Supporting Clip - For supporting lengths of V500 or 700 Series CAT.# В raceway at any point desired. V504 1 7/8" [47mm] | 1/2" [12.7mm] 2 1/2" V704 1 7/8" [47mm] 5/8" [15.4mm] [64mm] 5709 **Ground Clamp** – Provides V506 Connection Cover - To cover additional grounding or to ground [51mm] remotely located devices. Attach V706 openings where lengths of V500 706WH or 700 Series, not squarely cut, ground wire to screw as required by come together. NEC. Insert into V500 or 700 Series raceway before installing. 3/4" [19.1mm] Internal Twisted Elbows – For 90° V5711LH A V511 90° Flat Elbow - For right angle V5711RHA twist with 90° turn including a flat **5711LHAWH** run on sidewall to a flat run on V711 turns on same surface. ceiling or on door edge or window 711WH **5711RHAWH** 2 1/2" trim. Break out crescent twistout in cover to use with 700 Series. [51mm] V512 45° Flat Elbow - For diagonal 45° turns on same surface. V5715 1 1/4" [32mm] **Tee** – For branches at right angles. V712 2 1/2" 5715WH Break out crescent twistout in cover [64mm] to use with V700. [22,2mm] 2 1/2" [19.1mm] V517 Internal Elbow - For inside V5717A Internal Pull Elbow - For inside 2 3/4" surfaces at right angles. Provides V717 surfaces at right angles. 5 1/2" [70mm] [140mm] 717WH more space to simplify wire pulling. Break out crescent twistout in corner to use with V700.

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.

500 & 700 Series Raceway Fittings Ordering Information

Catalog No./Item

Description/Specifications



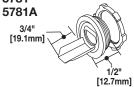
Corner Box - Allows ample splice room. Each leg of base has 1/2" trade size KO.

5780



Special Nipple (Galvanized) - Has female 3/8" [9.5mm] pipe thread inside and male 1/2" [12.7mm] pipe thread outside. For hanging 3/8" [9.5mm] or 1/2" [12.7mm] fixtures to Wiremold fittings with 1/2" trade size KOs.

5781



Box Connector (Galvanized) -

For connecting raceway to conduit boxes, panel boxes, etc., having a KO for conduit. May also be used with conduit type fittings. Break out crescent twistout to use with V700.

1/2" [12.7mm] Male (5781) 3/4" [19.1mm] Male (5781A)

5782A

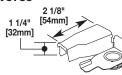


Conduit Connector (Galvanized) -

For connecting raceway to conduit. Break out crescent twistout to use with V700.

1/2" [12.7mm] Male (5782) 3/4" [19.1mm] Male (5782A)

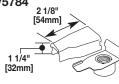
V5783



Elbow Box Connector - For connecting raceway at right angles to conduit boxes, panel boxes, etc., having a KO for 1/2" [12.7mm] conduit. Break out crescent twistout in cover to use with V700.

1/2" [12.7mm] Male

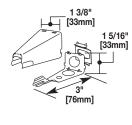
V5784



Elbow Conduit Connector - For connecting raceway at right angles to 1/2" [12.7mm] conduit or armored cable connectors. Break out crescent twistout in cover to use with V700.

1/2" [12.7mm] Female

V5785 5785WH



Combination Connector - For connecting raceway, without offsetting, to any 3 1/4" [83mm] or 4" [102mm] outlet box mounted on the surface with a KO for 1/2" [12.7mm] conduit. The base end and bottom has two 1/2" trade size KOs. Break off cover extension to use with 700 Series. Spring steel bushing included for end connection to box, eliminating conduit nipple and locknut.

Catalog No./Item

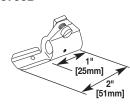


Description/Specifications

Adjustable Offset Connector –

Eliminates offsetting raceway when connecting to surface type panel boxes. The adjustment from surface to center of bushings is 5/8" [15.9mm] minimum to 1 3/8" [35mm] maximum. Break out crescent twistout in cover to use with 700 Series. 1/2" [12.7mm] chase nipple and locknut furnished.

5790B



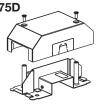
Armored Cable Connector (Galvanized) - For connecting 14/2, 14/3, 12/2, and 12/3 armored cable to Wiremold fittings. Use a short piece of V500/V700 raceway (1 5/8" [41mm] min.) between this connector and fitting. Not for connection to 1/2" [12.7mm] Flex Conduit.

5791



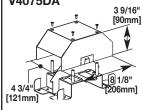
5700 Series Box EMT Connector Joins 1/2" [12.7mm] EMT directly into any V5700 Series Wiremold box.

V2475D



2400 Series Raceway Bridge Fitting - For allowing 2400 Series Raceway to bridge over existing installations of V500/V700 Series Raceway

V4075DA



4000 Series Raceway Bridge Fitting – For allowing 4000 Series Raceway to bridge over existing installations of V500/V700 Series Raceway.

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.

500 & 700 Series Raceway Device Boxes Ordering Information

Catalog No./Item

Description/Specifications

V57240 13/8" 4 1/8 [105mm] [35mm] 2" [51mm]

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.

V57242 4 1/8" [105mm] 1 3/8" [35mm] [51mm]

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.

V57243G* 4 1/8" [105mm] 1 3/8" [35mm]

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.



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.

V5744 * † 5744WH * † 2 3/4" [70mm]

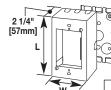
Extra Deep Device Box -

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.

CAT NO. L		W	GANG#
	4 5/8" [118mm]		1
V5744-2, WH 🖐	4 3/4" [121mm]	4 3/4" [121mm]	2*
V5744-3 ₩	4 5/8" [118mm]	6 1/2" [165mm]	3

Catalog No./Item

V5744S ★† 5744 SWH ★†



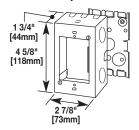
Description/Specifications

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.

CAT NO.	Ь	W	GANG #
	4 5/8" [118mm]		1
V5744-2, WH 🖐	4 3/4" [121mm]	4 3/4" [121mm]	2*
V5744-3♣	4 5/8" [118mm]	6 1/2" [165mm]	3

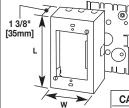
V5745 *† 5745 WH **†



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.

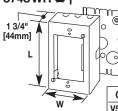
V5747**₩**† 5747WH**₩**†



Shallow Device Box – For standard shallow switches, receptacles, communication devices, and singlegang combination devices. Base has two 1/2" trade size KOs.

CAT NO. L		W	GANG #
	4 5/8" [118mm]		1
V5747-2, WH₩	4 3/4" [121mm]	4 3/4" [121mm]	2*
V5747-3 🖐	4 5/8" [118mm]	6 1/2" [165mm]	3

V5748 **★**† 5748 WH **★**†



Device Box – For deep switches, receptacles and communication devices. Base has two 1/2" trade size KOs.

CAT NO.	L	W	GANG#
V5748,WH ₩	4 5/8" [118mm]	2 7/8" [73mm]	1
V5748-2, WH 🖐	4 3/4" [121mm]	4 3/4" [121mm]	2*
V5748-3₩	4 5/8" [118mm]	6 1/2" [165mm]	3
V5748-4₩	4 5/8" [118mm]	8 11/32" [212mm]	1
V5748-5₩	4 3/4" [121mm]	10 5/32" [212mm]	2*
V5748-6₩	4 5/8" [118mm]	11 31/32" [165mm]	3

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.

500 & 700 Series Raceway Device Boxes Ordering Information (continued) Catalog No./Item **Description/Specifications** Catalog No./Item **Description/Specifications** Two-Gang Alarm Device Box -V5748S **Shallow Switch and** R5752 (Red) 5748 SWH 🖐 Receptacle Box - For V5752 (Ivory) For surface mounting alarm duplex receptacles (shallow devices and safety signals designed type). Base has 1/2" to fit 4" [102mm] square back 15/16" [23.8mm] trade size KOs. boxes. Cover has three raceway 4 11/16" [120mm] 4 5/8" twistouts on each side. Base [118mm] has 1/2" and 1" trade size concentric and single-gang box KOs. 2 7/8" [73mm] 4 11/16 [120mm] 1 3/8" V5751 Flush-Type Extension 5751 WH Adapter – For extensions R5753 (Red) from existing flush wall Two-Gang Extra Deep Alarm boxes. Larger gangs V5753 (Ivory) **Device Box** – For surface mounting 15/16" [23.8mm] available, consult factory. alarm devices and safety signals 4 11/16" [120mm] 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 CAT NO. w GANG# concentric and single-gang V5751, WH 4 5/8" [118mm] 2 7/8" [73mm] box KOs. V5751-2, WH 2* 4 3/4" [121mm] | 4 3/4" [121mm] 4 11/16 V5751-3 4 5/8" [118mm] | 6 1/2" [165mm] 2 3/4" [70mm] V5751A **Deep Flush-Type** V5760 Blank Extension Box - For 5751AWH **Extension Adapter** extending from existing flush switch and receptacle boxes to 1 3/4" [44mm] For deep extensions from existing flush wall boxes. blank original outlet. Closed base 4 5/8" available, consult factory. [118mm] 4 5/8" [118mm] 2 7/81 15/16" [73mm] 2 7/8"

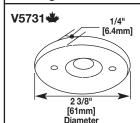
- NOTES: Covers on this page have double twistouts. Break out lower twistout for use with V500, and both twistouts for use with V700.
 - * V5744-2 and V5744S-2 Base and V5747-2 and V5748-2 Base have 1/2" and 1" concentric trade size KOs and a 1 13/16" x 2 7/8" [47mm x 73mm] rectangular KO to permit mounting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

[73mm]

500 & 700 Series Raceway Round Fixture Boxes Ordering Information

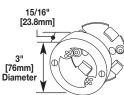
Catalog No./Item

Description/Specifications



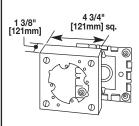
Blank Cover – Use with V5733 to convert into a pull or junction box. Has 1/2" trade size KO in center.

V5733**₩***



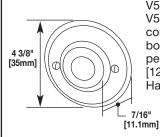
Outlet Box – Designed for devices with mounting screw centers of 1 15/32", 1 5/8", 1 22/32", or 1 27/32" [37mm, 41mm, 60mm, or 45mm]. Accepts any device that mounts on G or H type conduit fittings.

V5735



Distribution Box – Each side accepts three parallel raceway runs. Base has 1/2" and 1" concentric trade size KOs and a 1 13/16" x 2 7/8" trade size KO to mount on a one-gang in-wall outlet box. Cover takes devices with mounting screw centers of 2 3/4", 3 1/2", and 4 1/16" [70mm, 89mm, and 104mm], and canopy fixtures 4 5/8" [118mm] diameter or smaller. Used as a pull or junction box with V5736.

V5736



Blank Cover – Use with V5735, V5737, V5737A, V5738A, V5739, or V5739A, or V2135 converting them to pull or junction boxes and for hanging lightweight pendant fixtures having 1/2" [12.7mm] pipe stems, etc. Has 1/2" trade size KO.

Catalog No./Item

V5737 * ₩ V5737A * ₩ V5739 A * ₩ 5737 WH * ₩ 5737 AWH * ₩

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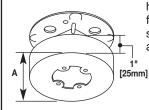
Description/Specifications

Extension Box/Open Base – For mounting on 3 1/4" [83mm], 4" [102mm] conduit boxes, or other recessed outlets. Cover takes devices with mounting screw centers of 2 3/4", 3 1/2", or 4 1/16" [70mm, 89mm, or 104mm]. Use as a pull or junction box with V5736.

CAT. NO.	DIA. A.			
V5737, WH	4 3/4"	[121mm]		
V5737A, WH	5 1/2"	[140mm]		
V5739A	6 3/8"	[162mm]		

V5738*₩ V57378A*₩ V5739*₩ 5738WH*₩ 5738AWH*₩

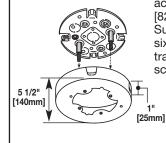
[25mm]



Fixture Box/Solid Base – For hanging fixtures. Cover takes devices with mounting screw centers of 2 3/4", 3 1/2", or 4 1/16" [70mm, 89mm, or 104mm]. Base has four holes for fixture studs; five 1/2" trade size KOs and raised section for no-bolt fixture-stud. Use as a junction or pull box with V5736.

CAT. NO.	DIA. A.			
V5738, WH	4 3/4"	[121mm]		
V5738A, WH	5 1/2"	[140mm]		
V5739	6 3/8"	[162mm]		

V5738AF 5738AFWH**₩**



Fan Box/Solid Base – UL approved fixture box for ceiling fans. Cover accepts fan brackets with 3.2" [82mm] mounting centers. Supports up to 50 lbs. Base has six mounting holes and four 1/2" trade size KOs. #10 mounting screws provided.

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

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

* 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.	Cutter eway 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.		5700CG	Cutting Guide for 500/700 Series Raceway – Attaches to step ladder and holds raceway channel securely for accurate cuts.	





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