

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.



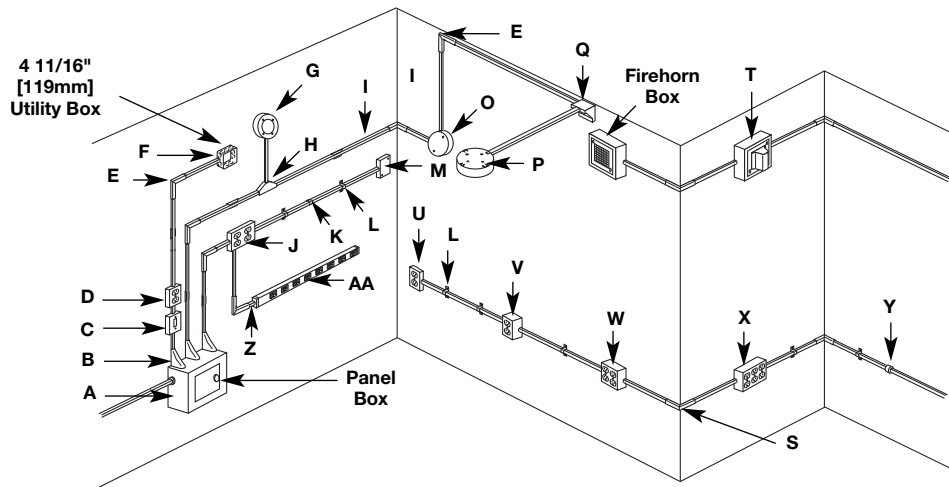
FEATURES & BENEFITS

- **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

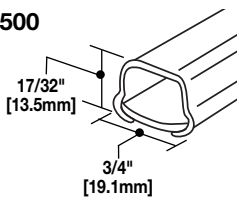
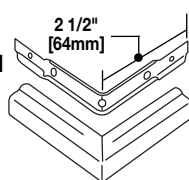
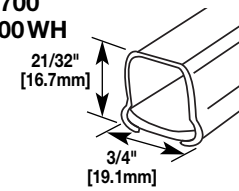
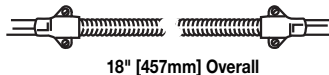
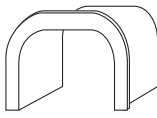
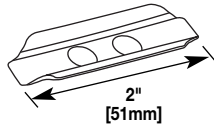
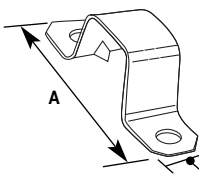
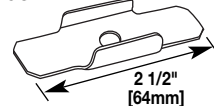
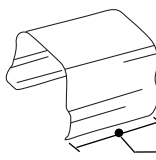
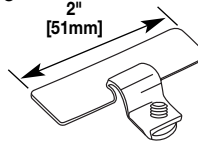
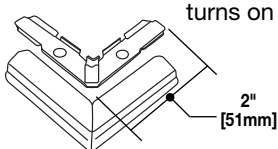
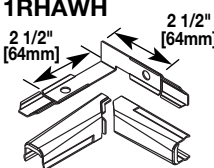
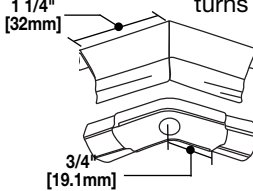
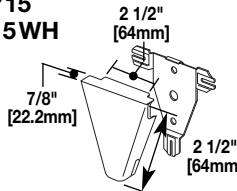
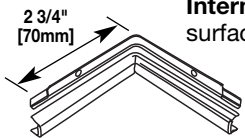
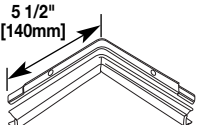
V500/V700 Series Raceway Wire Fill Capacities for Communications

	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 & Fittings Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications									
V500 	Raceway – .040" [1.0mm] steel. Comes in 10 ft. [3.05mm] lengths, one 5701 Coupling furnished with each length. Five ft. [1.525m] lengths available, order V500-5.	V518 V718 718WH 	External Elbow – For outside surfaces at right angles.									
V700 700WH 	Raceway – .040" [1.0mm] steel. Comes in 10 ft. [3.05mm] lengths, one 5701 Coupling furnished with each length. Five ft. [1.525m] lengths available, order V700-5.	V5700F 	Flexible Section – For getting around difficult angles. End fittings and bulk conduit lengths available. Maximum painted length 3' [915mm] longer lengths furnished unpainted, consult factory for availability.									
502 702 	Bushing – Protects wires from abrasion. Bushing slips into open end of raceway where it enters a fitting.	5701 	Coupling – For joining and supporting lengths of V500 or 700 Series raceway. One coupling supplied with each length.									
V504 V704 704WH 	Mounting Strap (1- or 2-Hole) – Convert to one-hole by breaking off at score. Lanced tab holds strap in place while fastening to surface. <table border="1" data-bbox="410 921 729 1016"><thead><tr><th>CAT. #</th><th>A</th><th>B</th></tr></thead><tbody><tr><td>V504</td><td>1 7/8" [47mm]</td><td>1/2" [12.7mm]</td></tr><tr><td>V704</td><td>1 7/8" [47mm]</td><td>5/8" [15.4mm]</td></tr></tbody></table>	CAT. #	A	B	V504	1 7/8" [47mm]	1/2" [12.7mm]	V704	1 7/8" [47mm]	5/8" [15.4mm]	V5703 	Supporting Clip – For supporting lengths of V500 or 700 Series raceway at any point desired.
CAT. #	A	B										
V504	1 7/8" [47mm]	1/2" [12.7mm]										
V704	1 7/8" [47mm]	5/8" [15.4mm]										
V506 V706 706WH 	Connection Cover – To cover openings where lengths of V500 or 700 Series, not squarely cut, come together.	5709 	Ground Clamp – Provides additional grounding or to ground remotely located devices. Attach ground wire to screw as required by NEC. Insert into V500 or 700 Series raceway before installing.									
V511 V711 711WH 	90° Flat Elbow – For right angle turns on same surface.	V5711LHA V5711RHA 5711LHAWH 5711RHAWH 	Internal Twisted Elbows – For 90° twist with 90° turn including a flat run on sidewall to a flat run on ceiling or on door edge or window trim. Break out crescent twistout in cover to use with 700 Series.									
V512 V712 	45° Flat Elbow – For diagonal 45° turns on same surface.	V5715 5715WH 	Tee – For branches at right angles. Break out crescent twistout in cover to use with V700.									
V517 V717 717WH 	Internal Elbow – For inside surfaces at right angles.	V5717A 	Internal Pull Elbow – For inside surfaces at right angles. Provides 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.