

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.

. Sold by







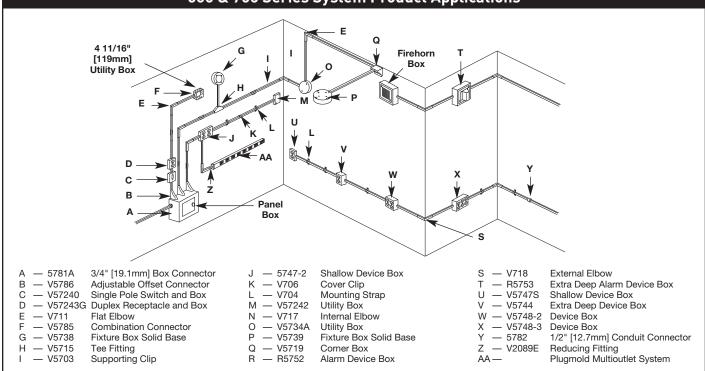








500 & 700 Series System Product Applications



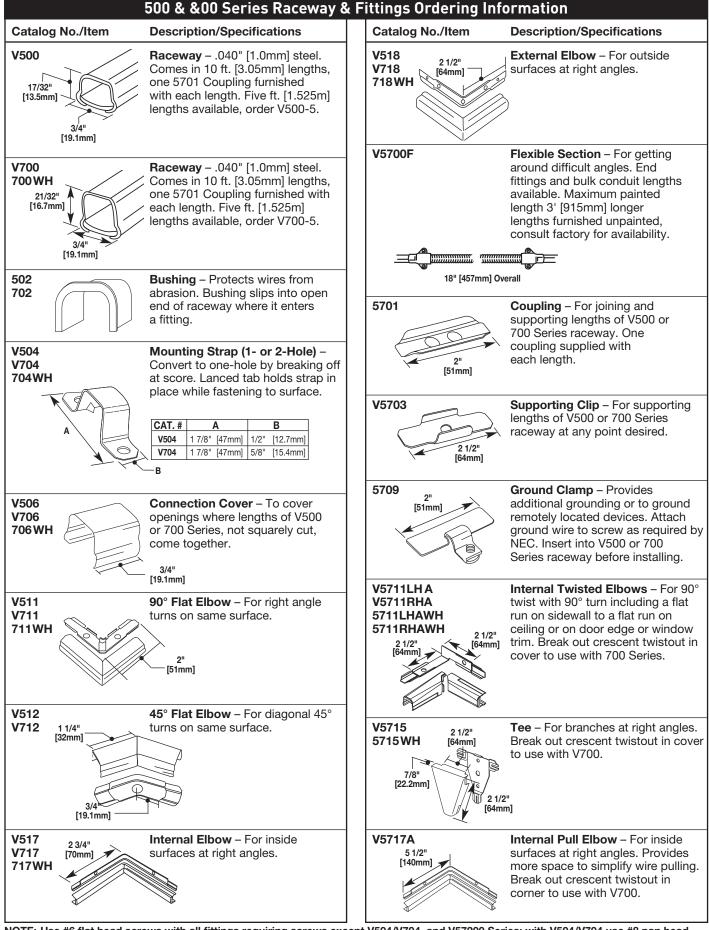
V500 & V700 Series Wire Fill Capacity Charts

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

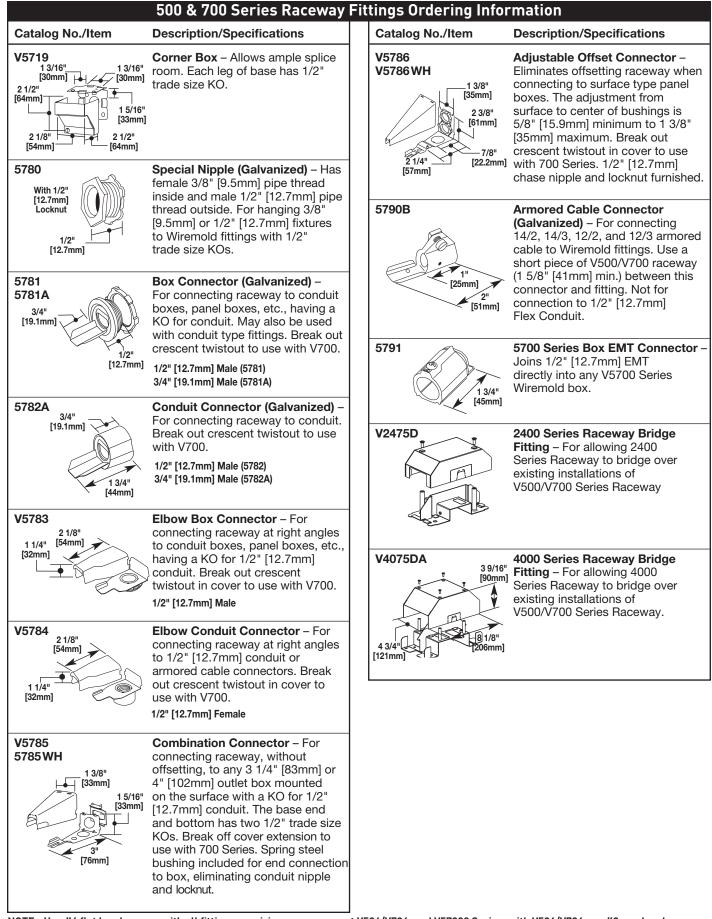
| V500/V700 Series Raceway Wire Fill Capacities for Communications | | | | | | | |
|--|------------------------|---------------|---------|-------------|------------|-------------|------------|
| | | 0.D. | | V500 SERIES | | V700 SERIES | |
| | CABLE/WIRE SIZE | inches | [mm] | 20% FILL* | 40% FILL** | 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.

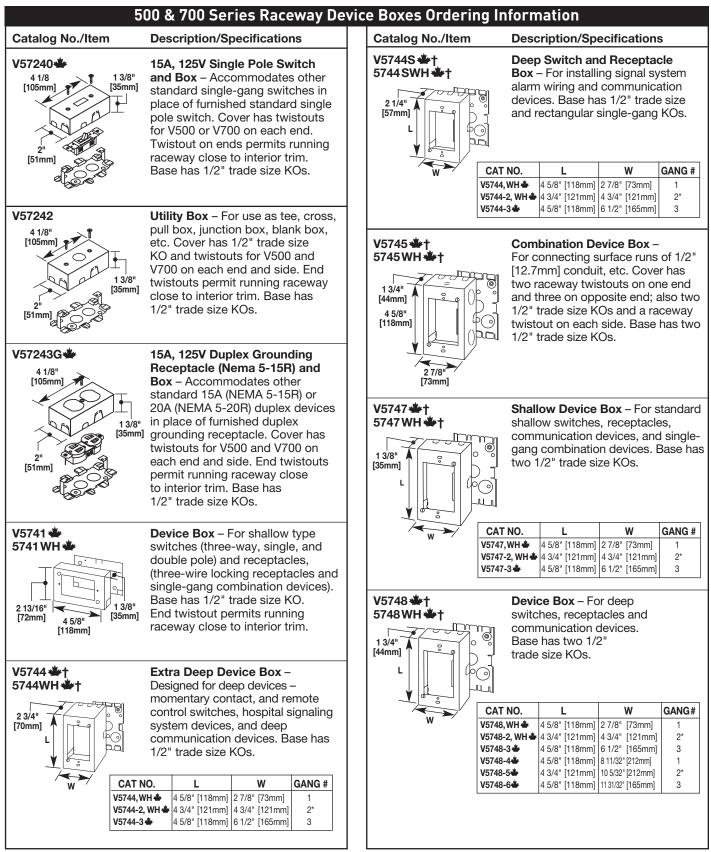
** 40% cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.



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.

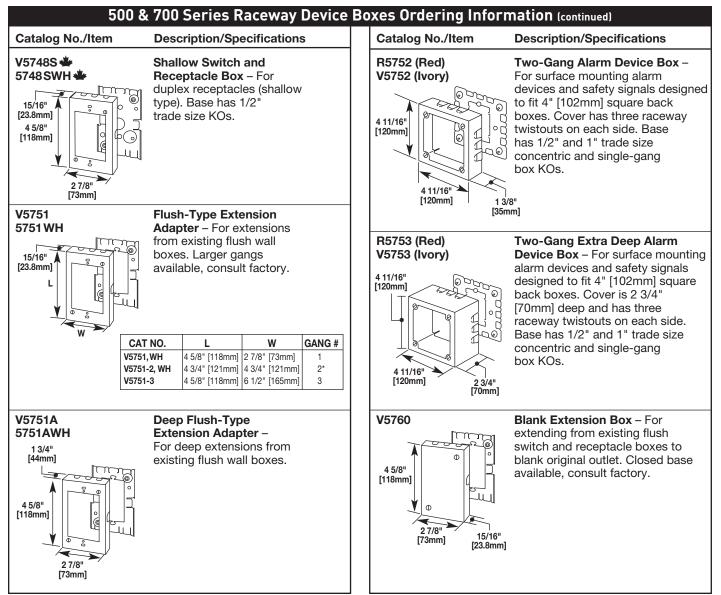


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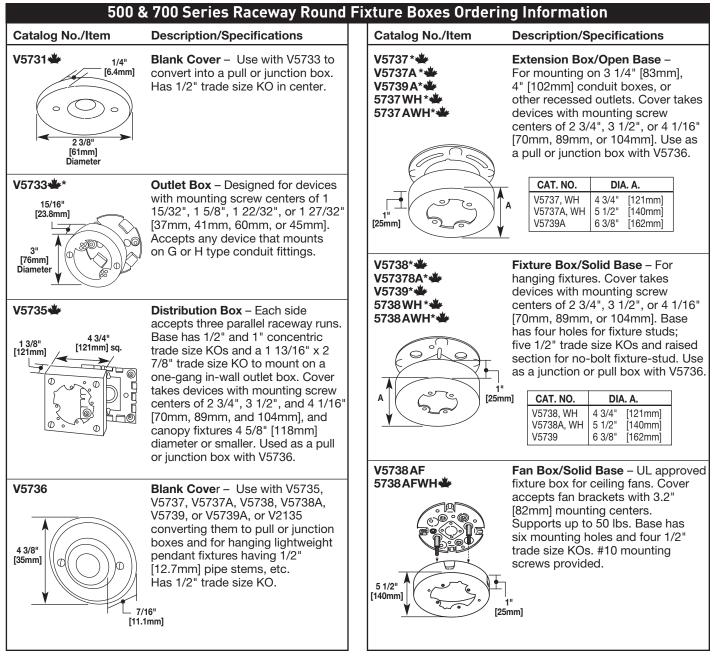
NOTES: Covers on this page have double twistouts. Break out lower twistout for use with V500, and both twistouts for use with V700. * V5744-2 and V5744S-2 Base and V5747-2 and V5748-2 Base have 1/2" and 1" concentric trade size KOs and a 1 13/16" x 2 7/8" [47mm x 73mm] rectangular KO to permit mounting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

- 🛊 Replace V with VC or WH with WHC to denote Canadian version Agency approved for sale in Canada 🚯
- † 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. | | 5700CG | Cutting Guide for 500/700 Series Raceway – Attaches to step ladder and holds raceway channel securely for accurate cuts. | | |





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ED532R14 - Updated October 2010 - For latest specs visit www.legrand.us/wiremold

