

# WIREMOLD® Steel Raceway

# Single-Channel, One-Piece Steel Surface Raceway

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.

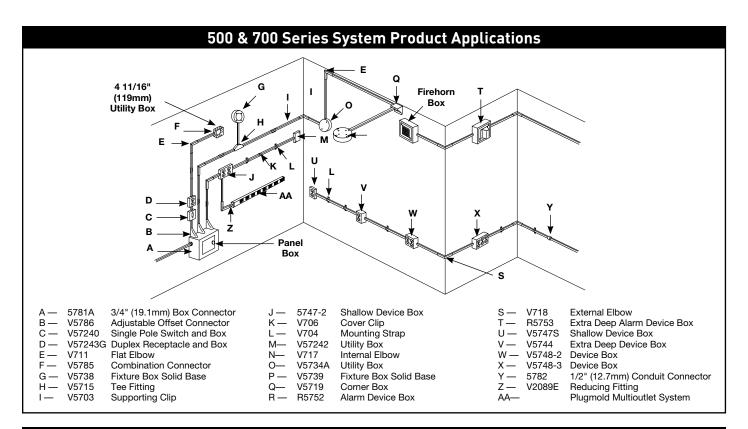
- Fittings have removable covers. Allows easy access to wiring for changes and additions.
- Raceway cutters with replaceable blades. Cuts raceway cleanly, reduces labor, and installation time.
- Datacom connectivity options. Accepts industry standard and proprietary devices from a wide range of manufacturers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





FIRE PULL DOWN

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<br>THHN/THWN                                  | O<br>inches | .D.<br>(mm) | NUMBER OF CONE<br>V500 SERIES | DUCTORS 40% FILL<br>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                               |  |

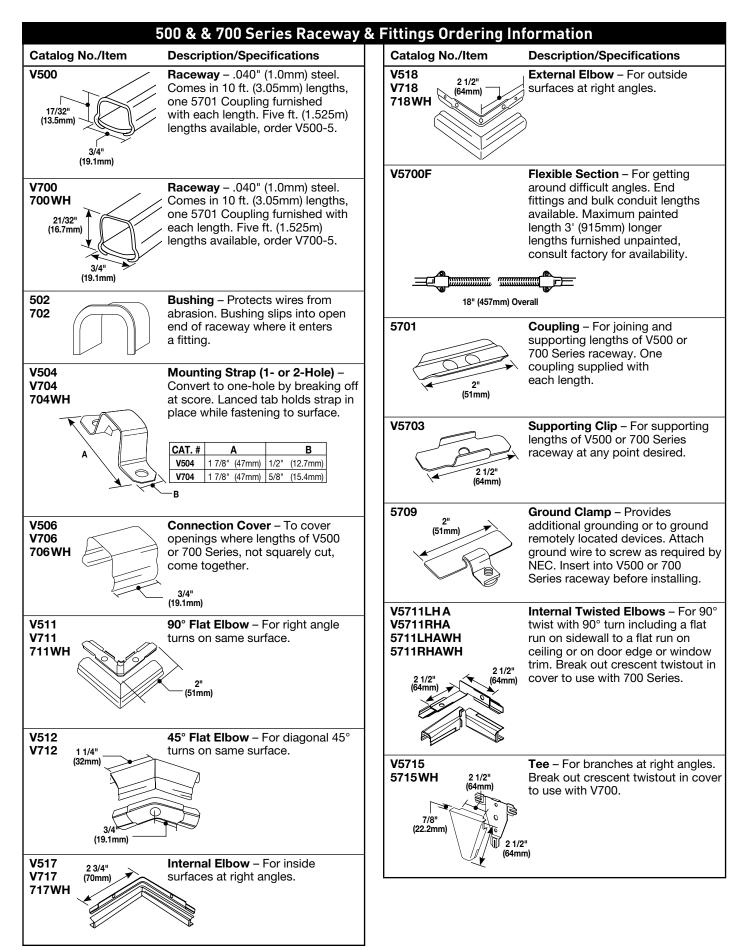
| V500/V700 Series Raceway Wire Fill Capacities for Communications |  |  |                                      |                                     |                  |                       |                    |
|--|--|--|--------------------------------------|-------------------------------------|------------------|-----------------------|--------------------|
|  | CABLE/WIRE SIZE  | O.D. inches (mm)                                 |                                      | V500 SERIES<br>20% FILL* 40% FILL** |                  | V700 SEI<br>20% FILL* | RIES<br>40% FILL** |
| UNSHIELDED<br>TWISTED PAIR                                       | 4-pair, 24 AWG, Cat 3<br>4-pair, 24 AWG, Cat 5e<br>4-pair, 24 AWG, Cat 6 | 0.190<br>0.210<br>0.250                          | (4.8)<br>(5.3)<br>(6.3)              | 1<br>1<br>0                         | 2<br>2<br>1      | 1<br>1<br>1           | 3<br>3<br>2        |
| TELEPHONE  | 2-pair, 24 AWG<br>3-pair, 24 AWG<br>4-pair, 24 AWG<br>25-pair, 24 AWG    | 0.140<br>0.150<br>0.190<br>0.410                 | (3.6)<br>(3.8)<br>(4.8)<br>(10.4)    | 2<br>2<br>1<br>0                    | 4<br>4<br>2<br>0 | 3<br>2<br>1<br>0      | 6<br>5<br>3<br>0   |
| COAXIAL  | RG58/U<br>RG59/U<br>RG62/U<br>RG6/U                                      | 0.195<br>0.242<br>0.242<br>0.270                 | (5.0)<br>(6.1)<br>(6.1)<br>(6.9)     | 1<br>0<br>0<br>0                    | 2<br>1<br>1<br>1 | 1<br>1<br>1<br>0      | 3<br>2<br>2<br>1   |
| TWINAXIAL  | 100 Ohm  | 0.330  | (8.4)                                | 0                                   | 0                | 0                     | 1                  |
| SHIELDED<br>TWISTED PAIR   | TYPE 1<br>TYPE 2<br>TYPE 3   | 0.390<br>0.465<br>0.245                          | (9.9)<br>(11.8)<br>(6.2)             | 0<br>0<br>0                         | 0<br>0<br>1      | 0<br>0<br>0           | 0<br>0<br>1        |
| FIBER  | Mini ZipCord<br>ZipCord<br>Round 4 Strand Fiber<br>Round 6 Strand Fiber  | 0.079 x 0.157<br>0.118 x 0.236<br>0.187<br>0.256 | (2 x 4)<br>(3 x 6)<br>(4.8)<br>(6.5) | 3<br>1<br>1<br>0                    | 6<br>2<br>2<br>1 | 4<br>1<br>1<br>1      | 8<br>3<br>3<br>2   |

<sup>\* 20%</sup> cable fill is calculated to approximate reduction in cable capacity due to connectors mounted within raceway and fittings that may restrict cross sectional area.

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



Download this product's PEP ecopasport® environmental product declaration at www.legrand.us/resources-and-downloads. This declaration conforms with ISO 14025 and 14040 and is in alignment with EN 15804.



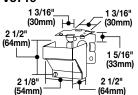
NOTE: Use #6 flat head screws with all fittings requiring screws except V504/V704, and V57200 Series; with V504/V704 use #8 pan head screws; with V57200 Series use #8 flat head screws.

### 500 & 700 Series Raceway Fittings Ordering Information

### Catalog No./Item

### **Description/Specifications**

## V5719



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 5781A



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

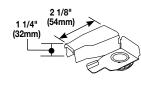


Conduit Connector (Galvanized) -

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

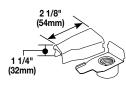
1/2" (12.7mm) Male (5782) 3/4" (19.1mm) Male (5782A)

### 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

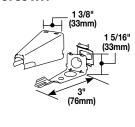
### V5784



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

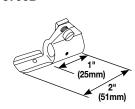
### V5786 V5786 WH



### **Description/Specifications**

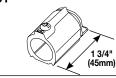
Adjustable Offset Connector -Eliminates offsetting raceway when connecting to surface type panel boxes. The adjustment from surface to center of bushings is 5/8" (15.9mm) minimum to 1 3/8" (35mm) maximum. Break out crescent twistout in cover to use with 700 Series. 1/2" (12.7mm) chase nipple and locknut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

#### 5790B



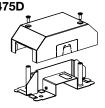
Armored Cable Connector (Galvanized) - For connecting 14/2, 14/3, 12/2, and 12/3 armored cable to Wiremold fittings. Use a short piece of V500/V700 raceway (1 5/8" (41mm) min.) between this connector and fitting. Not for connection to 1/2" (12.7mm) Flex Conduit.

### 5791



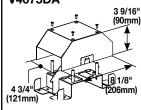
5700 Series Box EMT Connector -Joins 1/2" (12.7mm) EMT directly into any V5700 Series Wiremold box.

## 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

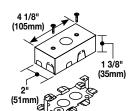
### **Description/Specifications**

### V57240₩



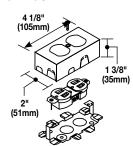
15A, 125V Single Pole Switch and Box – Accommodates other standard single-gang switches in place of furnished standard single pole switch. Cover has twistouts for V500 or V700 on each end. Twistout on ends permits running raceway close to interior trim. Base has 1/2" trade size KOs.

#### V57242



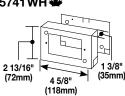
Utility Box – For use as tee, cross, pull box, junction box, blank box, etc. Cover has 1/2" trade size KO and twistouts for V500 and V700 on each end and side. End twistouts permit running raceway close to interior trim. Base has 1/2" trade size KOs.

### V57243G



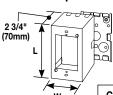
15A, 125V Duplex Grounding Receptacle (Nema 5-15R) and Box – Accommodates other standard 15A (NEMA 5-15R) or 20A (NEMA 5-20R) duplex devices in place of furnished duplex grounding receptacle. Cover has twistouts for V500 and V700 on each end and side. End twistouts permit running raceway close to interior trim. Base has 1/2" trade size KOs.

## V5741 <del>▲</del> 5741 WH <del>▲</del>



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 <del>\*</del> † 5744WH <del>\*</del> †



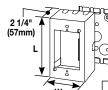
#### Extra Deep Device Box -

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 # |
|---------------|----------------|----------------|--------|
| 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      |

### Catalog No./Item

### V5744S**♣**† 5744SWH**♣**†



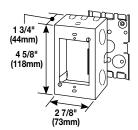
### Description/Specifications

### 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. L      |                | w              | GANG# |
|----------------|----------------|----------------|-------|
| V5744S,WH ₩    | 4 5/8" (118mm) | 2 7/8" (73mm)  | 1     |
| V5744S-2, WH 🖐 | 4 3/4" (121mm) | 4 3/4" (121mm) | 2*    |
| V5744S-3₩      | 4 5/8" (118mm) | 6 1/2" (165mm) | 3     |

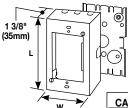
## V5745 <del>\*</del> † 5745 WH <del>\*</del> †



### **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 # |
|-------------------|----------------|----------------|--------|
| V5747,WH <b>₩</b> |                |                | 1      |
| V5747-2, WH 🜞     | 4 3/4" (121mm) | 4 3/4" (121mm) | 2*     |
| V5747-3 <b>₩</b>  | 4 5/8" (118mm) | 6 1/2" (165mm) | 3      |

## V5748 <del>\*</del> † 5748 WH <del>\*</del> †



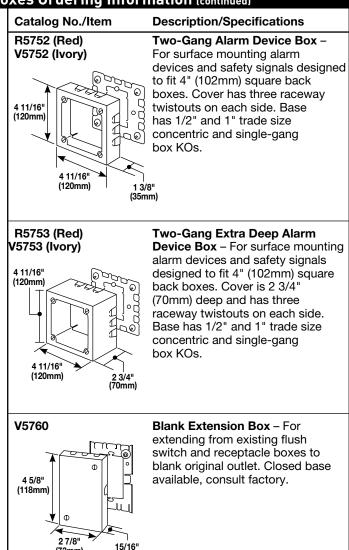
**Device Box** – For deep switches, receptacles and communication devices. Base has two 1/2" trade size KOs.

| 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     |
|                  | 4 3/4" (121mm) |                   | 2*    |
| V5748-6 <b>₩</b> | 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 V5748S R5752 (Red) Shallow Switch and 5748SWH Receptacle Box - For V5752 (Ivory) duplex receptacles (shallow type). Base has 1/2" 15/16" trade size KOs. (23.8mm) 4 11/16" (120mm) 4 5/8" (118mm) 2 7/8" 4 11/16 (73mm) (120mm) V5751 Flush-Type Extension 5751WH Adapter - For extensions from existing flush wall R5753 (Red) boxes. Larger gangs V5753 (Ivory) 15/16" (23.8mm) available, consult factory. 4 11/16" (120mm) CAT NO. GANG# V5751,WH 4 5/8" (118mm) 2 7/8" (73mm) V5751-2, WH 4 3/4" (121mm) | 4 3/4" (121mm) 4 11/16' V5751-3 4 5/8" (118mm) 6 1/2" (165mm) (120mm) Deep Flush-Type V5751A 5751AWH **Extension Adapter -**For deep extensions from V5760 1 3/4" existing flush wall boxes. (44mm) 4 5/8" 4 5/8" (118mm) (118mm)



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.

(73mm)

(23.8mm)

- 🌞 Replace V with VC or WH with WHC to denote Canadian version Agency approved for sale in Canada 🚯
- † Larger gangs available, consult factory.

2 7/81

(73mm)

### 500 & 700 Series Raceway Round Fixture Boxes Ordering Information

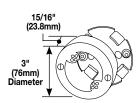
### Catalog No./Item

### **Description/Specifications**



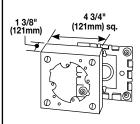
Blank Cover – Use with V5733 to convert into a pull or junction box. Has 1/2" trade size KO in center.

V5733**₩**\*



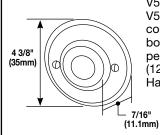
Outlet Box – Designed for devices with mounting screw centers of 1 15/32", 1 5/8", 1 22/32", or 1 27/32" (37mm, 41mm, 60mm, or 45mm). Accepts any device that mounts on G or H type conduit fittings.

### 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



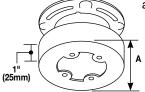
Blank Cover – Use with V5735, V5737, V5737A, V5738A, V5738, or V5739A, or V2135 converting them to pull or junction boxes and for hanging lightweight pendant fixtures having 1/2" (12.7mm) pipe stems, etc. Has 1/2" trade size KO.

### Catalog No./Item

V5737\*\*
V5737A\*\*
V5739A\*\*
5737 WH\*\*
5737 AWH\*

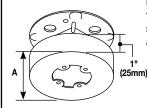
## Description/Specifications

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) |  |  |

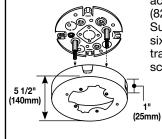
V5738\***₩** V5738A\***₩** V5739\***₩** 5738WH\***₩** 5738AWH\***₩** 



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. 🚯

\* 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<br>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<br>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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### **Electrical Wiring Systems**

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570 Applewood Crescent Vaughan, Ontario L4K 4B4 Phone: 905.738.9195



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