

Prewired Aluminum Two-Piece Surface Raceway

AL3000 Series Single-Channel, Single-Cover Raceway is a cost effective, highly aesthetic solution to provide access to your communication cabling or electrical wiring systems. The raceway is manufactured in our factory, cut to the specified job site lengths, electrically prewired, and comes with a variety of Connectivity Activation Inserts mounted in the raceway or with pre-punched activation openings.

AL3000 Series Raceway is designed to meet most installation requirements for UTP, fiber optic and electrical wiring.



Installed in laboratories, AL3000 provides an aesthetic, corrosion resistant finish.

FEATURES & BENEFITS

- **One channel, one cover, 1 3/4" [44mm] deep aluminum.** Accommodates high density communication cabling for networks and phone systems.
- **Prewired raceway.** Manufactured to specified job site lengths, electrically prewired and assembled – ready to install. Reduces on-site installation time and costs.
- **Snap fit cover.** Provides maximum flexibility for adding or relocating circuits, data openings or electrical devices. Side removal slots limit visibility of any accidental marring during cover removal.
- **Durable, architectural clear anodized finish.** Wipes clean and resists corrosion. Custom colors available upon request. Consult factory for more information.
- **Accommodates all electrical wiring devices and full-size communication faceplates.** Accepts single, duplex, NEMA-Locking, GFCI and surge protection outlets and most communication activation devices (refer to the device compatibility chart on page five).
- **Mitered standard fittings.** Provides a complete installation.
- **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.
- **Jobs can be packaged by area, floor, or building and shipped per job site requirements.** Reduces on-site installation time and costs.
- **UL5 and ADA Compliant.** Raceway and fittings meet UL5 specifications and can be installed in conformance with ADA requirements.
- **UL Listed multioutlet assemblies.** File E68073 Guide PVGT, Fittings: File E121188 Guide RJPR. Meets Article 380 of NEC and meets Section 12-3032 of CEC.
- **UL and cUL Listed component raceways.** File E73943 Guide RJBT, Fittings: File E74343 Guide RJPR. Meets Article 386 of NEC and meets Section 12-600 of CEC.

Prewired Raceway is prewired and packed to the job specifications at the factory before shipping to the jobsite.



AL3000 Series Raceway Wire Fill Capacity Charts

AL3000 Raceway Wire Fill Capacities for Data/Communication

CABLE/WIRE TYPE		O.D.		AL3000 40%	AL4000 40%	AL4320** 40%	AL7320		ALDS4000 40%
		Inches	[mm]				NO BARRIER 40%	SINGLE 40%	
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat. 3	0.190	[4.8]	53	48	53	81	43	68
	4-pair, 24 AWG Cat. 5e	0.210	[5.3]	43	39	43	66	35	56
	4-pair, 24 AWG Cat. 6	0.250	[6.4]	31	28	31	47	25	40
	4-pair, 24 AWG Cat. 6a*	0.354	[9.0]	15	14	15	23	12	20
	25-pair, 24 AWG	0.360	[9.1]	15	13	15	23	12	19
COAXIAL	RG6/U	0.270	[6.9]	26	24	26	40	21	34
FIBER OPTIC	ZipCord	0.118 x 0.236 [3 x 6]		54	48	54	83	44	70
	Round 4 Strand Fiber	0.187	[4.7]	55	49	55	84	44	71
	Round 6 Strand Fiber	0.256	[6.5]	29	26	29	45	24	38

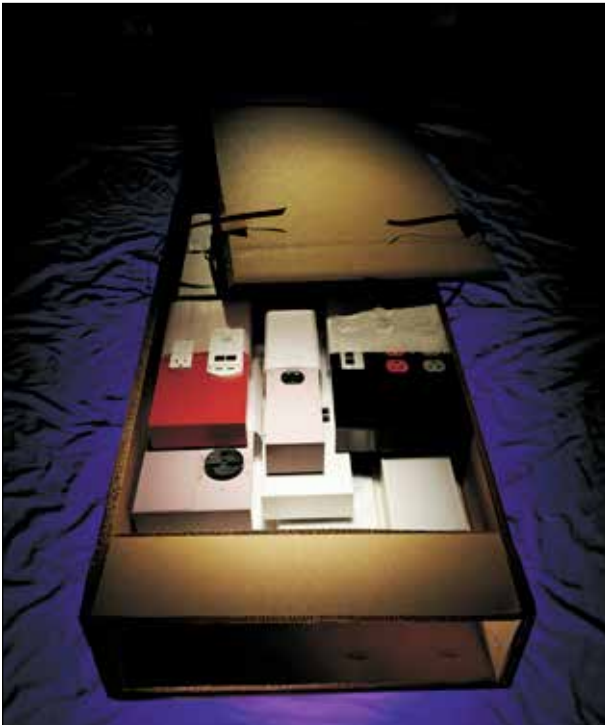
* Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.

** Each compartment.

AL3000 Raceway Wire Fill Capacities for Power (40% Fill Factor)

WIRE SIZE THHN (STRANDED)		AL3000	AL4000*	AL4320*	AL7320		ALDS4000*
					Single	Dual*	
POWER WIRING WITHOUT DEVICES	6 AWG	30	27	30	31	56	–
	8 AWG	41	37	42	42	78	53
	10 AWG	72	64	73	74	135	92
	12 AWG	114	102	115	117	214	146
	14 AWG	156	140	158	161	294	200
POWER WIRING WITH GFCI DEVICES (2.04 sq. in.)	6 AWG	14	10	14	14	40	–
	8 AWG	19	15	19	20	55	27
	10 AWG	33	25	34	35	96	47
	12 AWG	53	41	54	56	153	75
	14 AWG	72	56	74	77	210	102

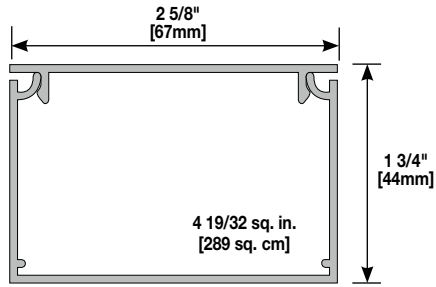
* Each compartment



Wiremold Prewired Raceway reduces installation time, gets installers off the job faster, and eliminates the need for field cutting.

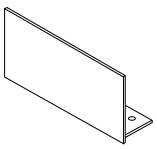
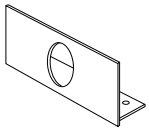
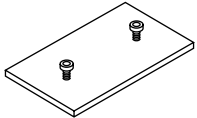
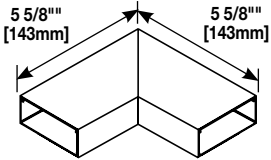
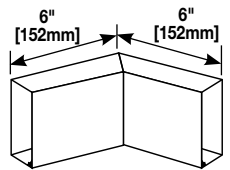
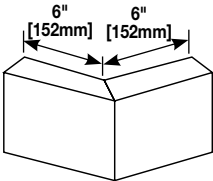
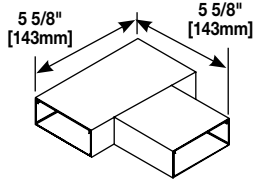
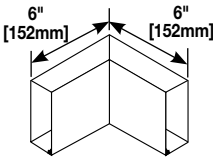
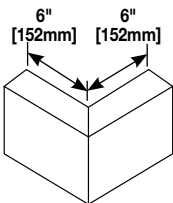
Contact your local Wiremold Representative or the factory for more information on prewired raceway and assistance in planning your next prewired installation. Our Prewired Raceway Team is ready to help.

AL3000 Series Raceway Specifications



Material: 6063 T6 Aluminum Alloy
Wall Thickness: 0.078" [1.99mm]
Anodized Finish Thickness: 0.004" [0.004mm]

AL3000 Series Raceway Fittings Ordering Information

Item/Cat. No.	Description/Specifications
AL3010B	Blank End Cap 
AL3010B1	Entrance End Cap for 3/4" [19.1mm] Conduit Connector 
AL3001	Slide Coupling 
AL3011	90° Flat Mitered Elbow with Coupling 
AL3012A	45° Internal Mitered Elbow with Coupling 
AL3012B	45° External Mitered Elbow with Coupling 
AL3015	Flat Tee with Coupling 
AL3017	Internal Mitered Elbow with Coupling 
AL3018	External Mitered Elbow with Coupling 

NOTE: Custom fittings available – consult factory.

AL3000 Series Raceway Features

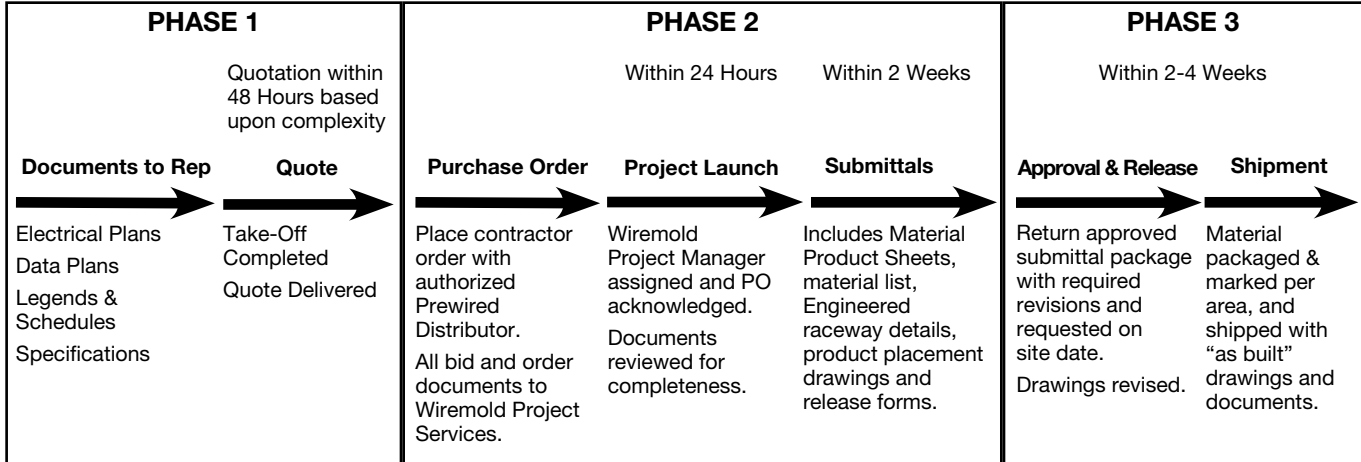
FEATURES	STANDARD	OPTIONS
Communication Devices	Ortronics & Activate Connectivity System Devices	Other manufacturers
Electrical Devices	Pass & Seymour	Other manufacturers
Cover Length	12" [305mm] or 18" [457mm]	24" [610mm], 36" [914mm], custom or continuous
Body Length	Longest = 10' [3.05m], shortest = 1' [305mm]	
Installation	Surface mounted	Flush mounted (recessed)
Finish	Architectural Class II Clear Anodized	Custom colors available, consult factory.*
Fittings	Mitered	Butt joints or custom
Wire Type	THHN Stranded	Options per specification
Wiring Splices	Insulation displacement connectors	Continuous wiring or twist-on wire connector
Grounding Conductors	Wire gauge per National Electrical	Oversized and/or separate grounding wires Code (NEC) and shared grounding wires
Device Identification	Clear self-adhesive polyester label with black letters	Engraved covers, self-adhesive engraved nameplate, colored self-adhesive polyester labels with black letters
Neutrals	Shared neutral	Oversized and/or separate neutral wires
Pigtails	12" [305mm] feeds and receptacle leads	Per specification
Conduit Feeds	Raceway drilled at job site with hole saw	Entrance end cap
Device Mounting	Mounted to cover with 2 counter-sunk #6-32 screws	Device mounting brackets
Record Drawings	3 sets and 2 copies of marked-up blueprints	Per job requirements
Submittal Services	Detailed Submittal	Express Submittal or Submittal Free

* Paint chip required for custom colors.

AL3000 Series Raceway Ordering Process for Prewired Applications

Detailed Submittal The detailed submittal shows exactly how each raceway run will be built (lengths, number and type of receptacles, wiring schematics, circuiting information, etc.). The contractor and/or distributor must review and correct any information not clearly indicated on the drawings or specs, approve and return before production can be scheduled.

Submittal Free The Prewired Express Building Plan Checklist is filled out by the contractor or distributor and sent along with plans, casework, and specs. No submittal is required and the project is scheduled for production upon receipt of all information.



Prewired Raceway gets installers off the job in 1/3 less time than conventional raceway installations.



Wiremold Prewired Raceway is available in a wide range of capacity and configuration options.

AL3000 Series Raceway Device Openings

Single Receptacle
(30A & 50A Straight Blade)

5-30R 7-30R
5-50R 7-50R
6-30R 10-30R
6-50R 10-50R

Adapter box required for all receptacles

Single Receptacle
(NEMA Locking Devices)

Accommodates All NEMA Locking Devices except L5-15R, L6-15R, and L7-15R

Single Receptacle
(15A & 20A Straight Blade & Locking)

5-15R 15-20R
5-20R 18-20R
6-15R L5-15R
6-20R L6-15R
10-20R L7-15R
14-20R

Duplex

5-15R L5-15R
5-20R L6-15R
6-15R L7-15R
6-20R

Rectangular Openings

Decorator Style
Rectangular GFCIs
Rectangular Surge Protection Receptacles

Single-Gang Switch

AL3000 Series Raceway Device Compatibility

NEMA Locking Compatibility

All of the following NEMA locking devices will fit

L5-15R	L6-15R	L7-15R	L8-20R	L10-20R	L12-20R	L14-20R	L16-20R	L18-20R	L20-20R	L22-20R
L5-20R	L6-20R	L7-20R	L8-30R	L10-30R	L12-30R	L14-30R	L16-30R	L18-30R	L20-30R	L22-30R
L5-30R	L6-30R	L7-30R	L9-20R	L11-20R	L13-20R	L15-20R	L17-20R	L19-20R	L21-20R	L23-20R
			L9-30R	L11-30R	L13-30R	L15-30R	L17-30R	L19-30R	L21-30R	L23-30R

NEMA Straight Blade Compatibility

5-15R	5-20R	5-30R	5-50R	6-20R	6-30R	6-50R	7-30R	7-50R	10-20R	10-30R	10-50R	14-20R	14-30R
Y	Y	1	1	Y	1	1	1	1	Y	1	1	Y	N
14-50R	14-60R	15-20R	15-30R	15-50R	15-60R	18-20R	18-60R	GFCI	SURGE				
N	N	Y	N	N	N	Y	N	Y	Y				

Y = will fit

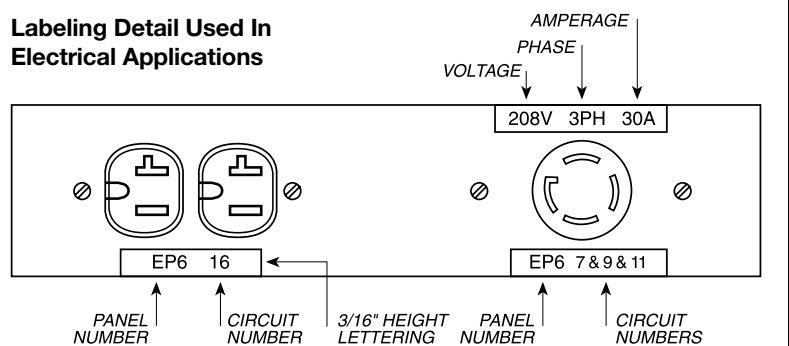
N = will not fit

1 = Requires adapter box

Device and Raceway Labeling Detail

- Device labeling is available in the following materials:
 - Clear self-adhesive polyester labels.
 - Other color self-adhesive polyester labels.
 - Engraving of covers with black lettering.
 - Engraved phenolic nameplates with adhesive backing.
- The back of the raceway is labeled with the raceway number and the room or area number(s).

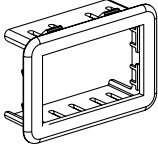
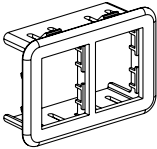
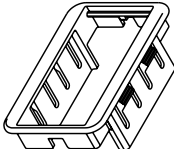
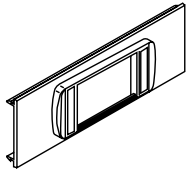
Labeling Detail Used In Electrical Applications



Labeling Detail Used In Communications Applications

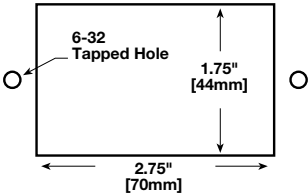
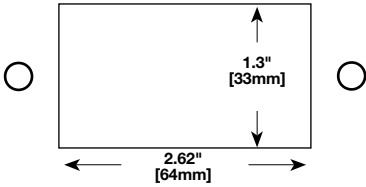
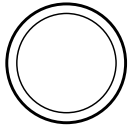
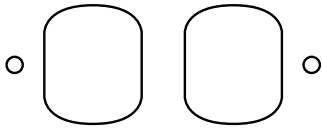
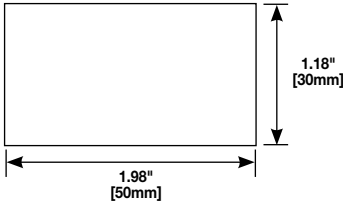
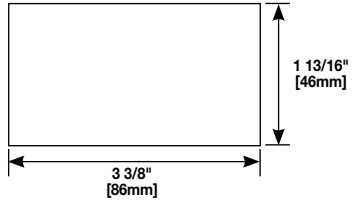


Communication Adapters

<p style="text-align: center;">Ortronics®</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>ABS2</p>  <p>Accepts one (1) Series II Module</p> </div> <div style="text-align: center;"> <p>AB2TJ</p>  <p>Accepts two (2) TracJack Modules</p> </div> </div>	<p style="text-align: center;">Pass & Seymour®/Ortronics®</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>CM-2AB</p>  <p>Accepts one (1) Pass & Seymour® Activate 2A Module or one (1) CM2 Series Open System connectivity module or three (3) CM2 Series Open System connectivity module</p> </div> <div style="text-align: center;"> <p>Low Profile Adapter (LPB)</p>  <p>LPB – Accepts three (3) Pass & Seymour® Activate Inserts LPB3S2 – Accepts three (3) Ortronics® Series II Inserts</p> </div> </div>
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NOTE: Custom openings are also available – consult factory for more information.

AL3000 Series Raceway Communication Openings

<p style="text-align: center;">Wallplate Openings</p> 	<p style="text-align: center;">Rectangular Openings</p> 	<p style="text-align: center;">Grommet Openings</p> <p>1/4" [6.4mm] Inner Diameter 1/2" [12.7mm] Inner Diameter 3/4" [19.1mm] Inner Diameter Standard 1" [25mm] Inner Diameter</p> 
<p style="text-align: center;">Duplex for Data</p> 	<p style="text-align: center;">AB Adapter Openings</p> 	<p style="text-align: center;">Low or High Profile Adapter Openings</p> 

NOTE: Custom openings are also available – consult factory for more information.

NOTES



Electrical Wiring Systems

60 Woodlawn Street
West Hartford, CT 06110
Phone: 1.877.BY.LEGRAND (295-3472)
www.legrand.us

570 Applewood Crescent
Vaughan, Ontario L4K 4B4
Phone: 905.738.9195
www.legrand.ca

ED449R7 - Updated April 2015 - For latest specs visit www.legrand.us/wiremold

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