

WIREMOLD



5500 Nonmetallic Raceway

Multi-Channel Surface Nonmetallic Raceway

Available Factory Prewired.

The 5500 Series from The Wiremold Company provides wire and cable management for data, voice, video, and power applications. It is ideal for large cable and wire requirements in schools, office buildings, and other institutions.



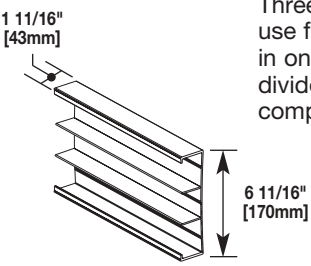
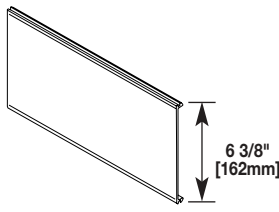
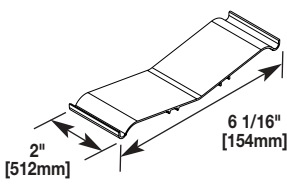
5500BD3.

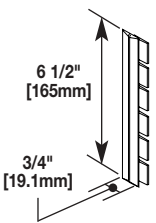
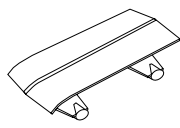
Features & Benefits

- **FiberReady 2" [51mm] Fiber Optic radius fittings.** The FiberReady fittings snap onto raceway overlapping base and cover to insure an aesthetic installation. Fittings are UL verified for a 2" [51mm] bend radius and exceed the recommendations of TIA/EIA-569. These fittings provide cable protection in both lay-in and pull-through cable installations.
- **Available in three compartments with breakaway dividers.** Low-voltage and power wiring can be run in the same raceway. Flexible for future moves and changes.
- **Large cable capacity in a low profile design.** Accommodates needs now and in the future.
- **Devices can be mounted in-line, offset or combined.** No need to remove dividers or install boxes to mount devices, eliminates unnecessary labor. Up to four separate services can be installed in the same location.
- **Full series of face plates are available for power, data, voice, and video applications.** Industry standard devices and face plates can also be mounted.
- **Made of rugged durable PVC material.** Lightweight and easy to cut. Paintable using latex paint. Easy to clean.
- **Supplied in standard 8-foot [2.44m] lengths.** Installs quicker. Fewer joints to cover. Consult factory for custom colors and lengths.
- **Offered in ivory and white finishes.** Blends with any decor.
- **Available prewired.** Manufactured to specific job site lengths, raceway comes completely prewired, ready to install. Jobs can be packaged by room, floor, or building and shipped per job site requirements.
- **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.
- **UL US Listed.**



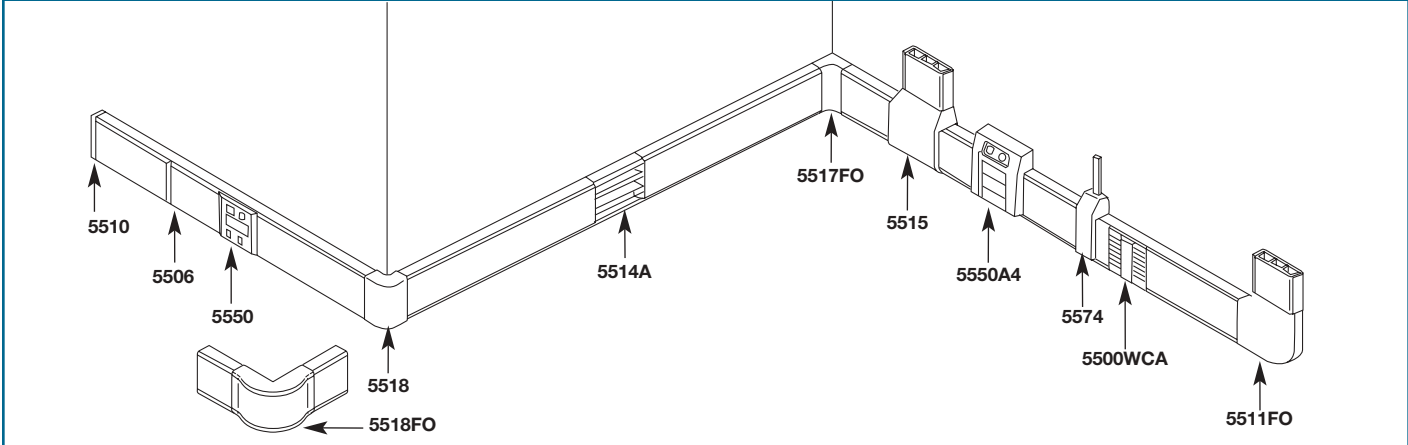
5500 Raceway and Fittings

Catalog No./Item	Description/Specifications
5500BD3*	<p>Divided Base – Three equal compartments – use for separate services in one raceway. Breakaway dividers enable multiple compartment configurations.</p> 
5500C*	<p>Cover – Use with 5500BD3.</p> 
5500WCA*	<p>Wire Clip – Holds wires in raceway.</p> 

Catalog No./Item	Description/Specifications
5506*	<p>Cover Clip – Covers seam between sections of 5500C.</p> 
5506B*	<p>Base Seam Clip – Covers seam where two sections of 5500 base come together.</p> 

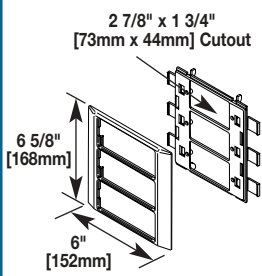
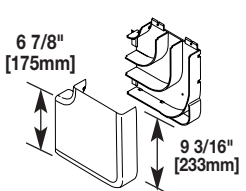
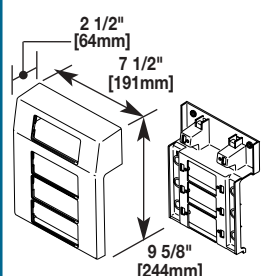
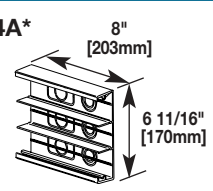
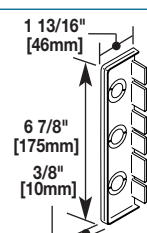
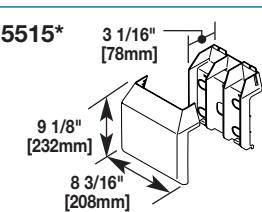
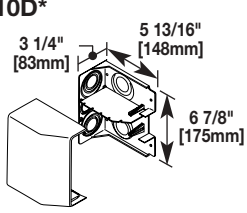
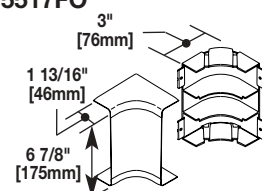
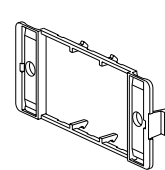
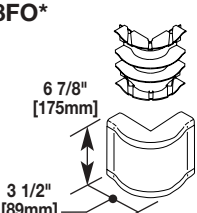
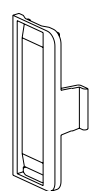
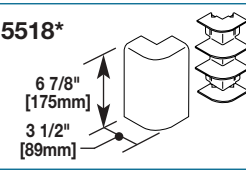
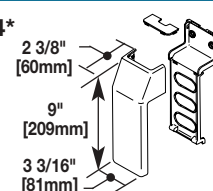
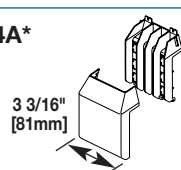
*Add "-WH" suffix for White finish.

5500 System Layout



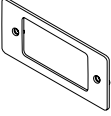
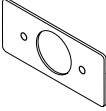
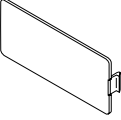
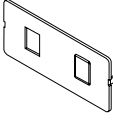
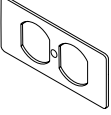
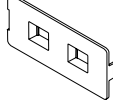
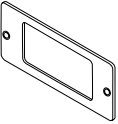
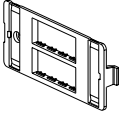
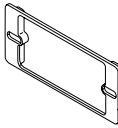
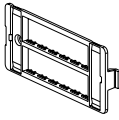
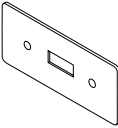
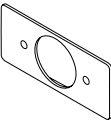
NOTE: Illustration is for showing product applications only.

5500 Raceway Fittings

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications	
5550* 	Device Bracket – For mounting power and communication devices in-line with the raceway. For use with: <ul style="list-style-type: none"> • 5507 Series Faceplates • Ortronics TracJack & Series II Modules • Pass & Seymour Activate Series Inserts • Wiremold Open System Communication Modules 	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; text-align: center;">ORT</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; text-align: center;">P&S</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">OPEN</div>	5511FO* 	FiberReady 2" [51mm] Radius, Full Capacity Flat Elbow – 90° flat corner with integral dividers that provides a 2" [51mm] cable bend radius for UTP and Fiber optic installations . Ideal for lay-in or pull-through installations.
5550A4* 	Device Bracket – For mounting power and communication devices in-line and offset with the raceway. For use with: <ul style="list-style-type: none"> • 5507 Series Faceplates • Ortronics TracJack & Series II Modules • Pass & Seymour Activate Series Inserts • Wiremold Open System Communication Modules 	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; text-align: center;">ORT</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; text-align: center;">P&S</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">OPEN</div>	5514A* 	Backfeed Connector – Use when a backfeed is needed. Has three rectangular KOs for use with existing wall box and three 1/2", 3/4", and 1" trade size KOs.
5510* 	End Cap – Closes off end of 5500 Series Raceway and has three 1/2" trade size KOs for end feed.	5515* 	Tee/Take-Off Connector – For branching raceway at right angles.	
5510D* 	Entrance End Fitting – For feeding raceway from larger conduits. Has concentric 3/4", 1", 1 1/2", and 2" trade size KOs on end and back. Two removable dividers are included.	5517FO* 	FiberReady 2" [51mm] Radius, Full Capacity Internal Elbow – 90° internal corner with integral dividers that provides a 2" [51mm] cable bend radius for UTP and Fiber Optic installations . Ideal for lay-in or pull-through installations. Replaces 5517.	
CM-EPLA* 	End Plates – Includes two outlet identification labels with clear covers and two matching screw covers. Required for mounting Pass & Seymour Activate and Wiremold Open System communication modules into 5550 Series device brackets.	5518FO* 	FiberReady 2" [51mm] Radius, Full Capacity External Elbow – 90° external corner with integral dividers that provides a 2" [51mm] cable bend radius for UTP and Fiber Optic installations . Use the 5518FO for a radius alternative to the 5518.	
S2-EPL 	End Plates – Includes two outlet identification labels with clear covers and two matching screw covers. Required for mounting Ortronics Series II modules into 5550 Series device brackets.	5518* 	External Elbow – Connects raceway around external corners.	
		5574* 	Transition Fitting – Makes transition from 5500 Raceway to the 400/800/2300/PN03/PN05 and PN10 Series Raceways.	
		5574A* 	Transition Fitting – Makes transition from 5500 Raceway to the 5400 Raceway.	

*Add "-WH" suffix for White finish.

5507 Series Faceplates

Catalog No./Item	Description/Specifications		Catalog No./Item	Description/Specifications	
5507AD*	 <p>Modular Furniture Adapter –</p> <ul style="list-style-type: none"> For mounting Activate modular furniture bezel and other modular furniture adapters. 	ORT P&S OPEN	5507T2*	 <p>Single Receptacle Faceplate – For covering single receptacles – 1.41" [36mm] diameter.</p>	
5507B*	 <p>Blank Faceplate – For covering unused compartments in the device bracket.</p>		5507RJ*	 <p>Dual RJ11/RJ45 Connector Faceplate –</p> <ul style="list-style-type: none"> For mounting one or two RJ type connectors – has one opening and a KO for the other. 	ORT P&S OPEN
5507D*	 <p>Duplex Faceplate – For covering duplex style devices.</p> <ul style="list-style-type: none"> Accepts 106 Frame. 	ORT P&S OPEN	5507FRJ*	 <p>Flush Dual RJ11/RJ45 Connector Faceplate – Same as 5507RJ except the connectors are recessed to provide a flush installation.</p>	ORT P&S OPEN
5507R*	 <p>Rectangular Faceplate – For covering rectangular style devices.</p>		5507-4TJ*	 <p>Ortronics Faceplate – For mounting Ortronics datacom inserts.</p> <ul style="list-style-type: none"> Accepts four TracJack Devices. 	ORT P&S OPEN
5507S*	 <p>Rectangular Spacer – For mounting commercial device plates. Installs between the device bracket and a device.</p>		5507-6TJ*	 <p>Ortronics Faceplate – For mounting Ortronics datacom inserts.</p> <ul style="list-style-type: none"> Accepts six TracJack Devices. 	ORT P&S OPEN
5507SW*	 <p>Switch Faceplate – For covering standard toggle switches.</p>				
5507T1*	 <p>Single Receptacle Faceplate – For covering single receptacles – 1.59" [40mm] diameter.</p>				

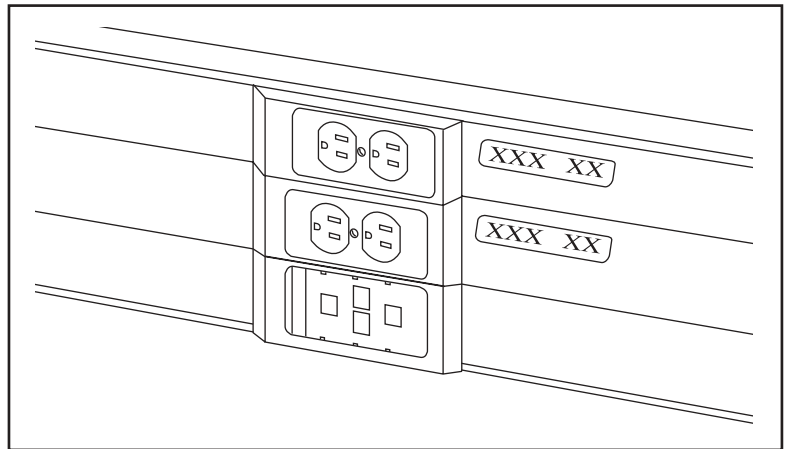
NOTE: All faceplates are 4 1/4" long x 1 11/16" wide [108mm x 43mm].
 * Add "-WH" suffix for White finish.

5500 Nonmetallic Prewired Raceway Features

<i>Features</i>	<i>Standard</i>	<i>Options</i>
Communication Devices	Ortronics or Pass & Seymour Activate™ Connectivity System Devices	Other manufacturers
Electrical Devices	Pass & Seymour	Other manufacturers and some International devices
Base Length	Longest = 8' [2.4m], shortest = 1' [305mm]	–
Finish	PVC – White or Ivory	Custom colors
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 Code (NEC) and shared grounding wires	Oversized and/or separate grounding wires
Device Identification	Gray self-adhesive polyester label with black letters	Self-adhesive engraved nameplate
Neutrals	Shared neutral	Oversized and/or separate neutral wires
Pigtails	1' [305mm] feeds and receptacle leads	Per specification
Conduit Feeds	Raceway drilled at job site	Entrance end cap
Record Drawings	3 sets and 2 copies of marked-up blueprints	Per job requirements
Submittal Services	Detailed Submittal	Submittal Free

Device and Raceway Labeling Detail for Prewired Applications

- Device labeling is available in the following materials:
 - Gray self-adhesive polyester label with black lettering (standard).
 - 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).
- Data and power requirements can be switched with data on top and power on bottom.



5500 Ordering Specifications for Prewired Applications

Two options available when ordering a prewired job:

- 1. Detailed Submittal** The detailed submittal will show exactly how each raceway run will be built including lengths, number and type of receptacles, wiring schematics, circuiting information, etc. The contractor and/or distributor must review, clarify any information not clearly indicated on the drawings or specs, approve, and return to the factory before production can begin.
- 2. Submittal Free** The Wiremold Prewired Express™ Building Plan Checklist is filled out by the contractor or distributor and sent along with plans, casework, and specs to the factory. No submittal is required and the project is scheduled for production upon receipt of all necessary information.

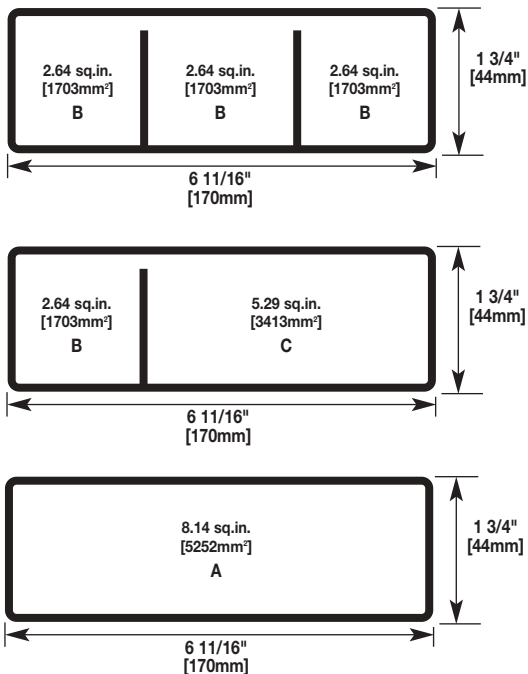
5500 Raceway Wire Fill Capacities

5500 Raceway Wire Fill Capacities for Communications

CABLE TYPE	CABLE/WIRE SIZE	O.D. (Approx. Dia.)		20% FILL			40% FILL		
		Inches	[mm]	A	B	C	A	B	C
Unshielded Twisted Pair	4-pair, 24 AWG Cat. 3	0.190	[4.8]	57	18	35	114	37	71
	4-pair, 24 AWG Cat. 5e	0.220	[5.6]	47	15	29	94	30	58
	4-pair, 24 AWG Cat. 6	0.250	[6.3]	33	10	20	66	21	41
Telephone	2-pair, 24 AWG	0.140	[3.6]	105	34	65	211	68	131
	3-pair, 24 AWG	0.150	[3.8]	92	29	57	184	59	114
	4-pair, 24 AWG	0.190	[4.8]	57	18	35	114	37	71
	25-pair, 24 AWG	0.410	[10.4]	12	4	7	24	8	15
Coaxial	RG58/U	0.195	[5.0]	54	17	33	109	35	67
	RG59/U	0.242	[6.1]	35	11	22	70	22	44
	RG62/U	0.242	[6.1]	35	11	22	70	22	44
	RG6/U	0.270	[6.9]	28	9	17	56	18	35
Twinaxial	100 ohm	0.330	[8.4]	19	6	11	38	12	23
Shielded Twisted Pair	TYPE 1	0.390	[9.9]	13	4	8	27	8	16
	TYPE 2	0.465	[11.8]	9	3	5	19	6	11
	TYPE 3	0.245	[6.2]	34	11	21	69	22	42
Fiber	Mini ZipCord	0.079 x 0.157	[2 x 4]	131	42	81	262	85	163
	ZipCord	0.118 x 0.236	[3 x 6]	58	18	36	117	37	72
	Round 4 Strand Fiber	0.187	[4.8]	59	19	36	118	38	73
	Round 6 Strand Fiber	0.256	[6.5]	31	30	19	63	20	39

NOTE: Capacity range is calculated at 20% to 40% of raceway area as stated in a proposed revision to the Commercial Building Standard for Telecommunication Pathways and Spaces, TIA/EIA-569. Actual wire fill capacity may vary based on applications, cable type and number, as well as type of fittings. (Fittings may cause additional variances to the fill capacity.)

5500 Raceway Wire Fill Capacities for Power



	WIRE SIZE THHN/THWN	O.D. (Approx. Dia.)		NUMBER OF CONDUCTORS PER COMPARTMENT		
		Inches	[mm]	A	B	C
POWER WIRING WITHOUT DEVICES	14 AWG	0.111	[2.8]	64	41	50
	12 AWG	0.130	[3.3]	60	25	44
	10 AWG	0.164	[4.2]	90	46	70
	8 AWG	0.216	[5.5]	65	18	40
	6 AWG	0.254	[6.5]	45	15	34
POWER WIRING WITH DEVICES	14 AWG	0.111	[2.8]	64	35	50
	12 AWG	0.130	[3.3]	60	25	44
	10 AWG	0.164	[4.2]	90	16	70
	8 AWG	0.216	[5.5]	65	8	36
	6 AWG	0.254	[6.5]	45	5	25

NOTE: Total raceway wire capacity, in any configuration, can not exceed capacity specified in C. Two A compartments can not exceed the capacity specified for compartment B.

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.

Datacom Connectivity Options

Now you have a wide range of options for providing datacom connectivity into Wiremold® Cable Management Systems. They are:

- Ortronics® TracJack® and Series II Modular Connectivity Solutions
- Pass & Seymour Activate™ Modular Inserts
- Open System Communication Modules

ORT	ORT	ORT
P&S	P&S	P&S
OPEN	OPEN	OPEN

Use these icons to determine connectivity options for each Wiremold System component:

ORT
P&S
OPEN

Ortronics® Connectivity

TracJack® Individual Jack System

- Front-loading, snap-in design supports future moves adds and changes
- Inserts for voice, data, audio, and video
- Available Category 3, 5e, 6, USOC 6-position, and other media
- Flat or angled 45° exit configurations
- Choice of 13 colors and color matched to Wiremold Systems
- Universal T568A/B wiring format



Series II Front-Loading, Module System

- Module design features easy snap-in front-loading design
- Linear 110 punch down format for easy termination
- Inserts for voice, data, audio, and video
- Available Category 3, 5e, 6, USOC 6-position, and other media
- Available in flat or angled 45° exit configurations
- Color matched to Wiremold Systems



For detailed product selection refer to the Ortronics Catalog or visit www.ortronics.com.

ORT
P&S
OPEN

Pass & Seymour Legrand Network Wiring

Activate™ Series Front-Loading Inserts

- Modular inserts for voice, data, audio and video applications
- Front-load, snap-in design
- Color and texture matched to Wiremold Systems
- Available Category 3, 5e, 6, as well as 6-position USOC
- Universal T568A/B wiring format



For detailed product selection refer to the Pass & Seymour Network Wiring Catalog or visit www.passandseymour.com.

ORT
P&S
OPEN

Open Connectivity Solutions

Wiremold Open System Communications Modules

- Accommodate a wide range of manufacturers' communications outlets including keystone jacks, as well as proprietary solutions from Avaya (Lucent) and NORDX
- Modules insert into a wide range of Wiremold Systems
- Pre-punched faceplates accept common communication devices



NOTE: For more information on integrating connectivity into Wiremold Cable Management Systems contact the Wiremold Applications Engineering Team or your local Wiremold Sales Representative.

WIREMOLD



Wiremold / Legrand

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