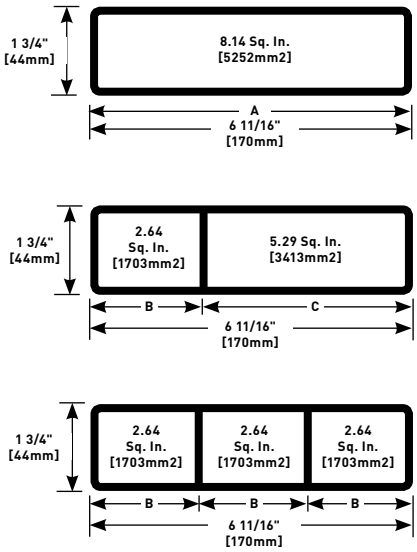
5500 SERIES™ RACEWAY

Ordering Information

5500 Series Raceway Wire Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D. (Approx. Dia.) Inches	[ ]	SECTION 40% FILL* A	B	C
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	[4.8]	114	37	71
	4-pair, 24 AWG, Cat 5e	0.210	[5.3]	94	30	58
	4-pair, 24 AWG, Cat 6	0.250	[6.3]	66	21	41
	4-pair, 24 AWG, Cat 6a**	0.354	[8.9]	33	10	20
	25-pair, 24 AWG	0.410	[10.4]	24	8	15
COAXIAL	RG6/U	0.270	[6.9]	56	18	35
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	117	37	72
	Round 4 Strand Fiber	0.187	[4.8]	118	38	73
	Round 6 Strand Fiber	0.256	[6.5]	63	20	39



NOTE: For additional information, refer to the Technical Section.

* Wire capacity is reduced to allow for proper conductor bend radius and maximum permissible heat rise.

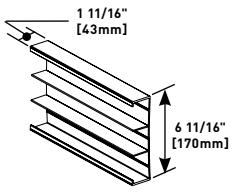
** Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.

5500 Series Raceway Wire Fill Capacities for Power

	WIRE SIZE THHN/THWN	O.D. (Approx. Dia.) Inches	[ ]	NUMBER OF CONDUCTORS COMP A	COMP B	COMP 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

5500 Series Raceway Ordering Information

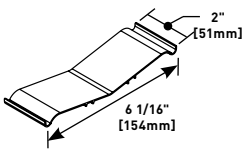
Divided Raceway Base



PART NUMBERS:
5500BD3 (Ivory)
5500BD3-WH (White)

Three equal compartments – use for separate services in one raceway. Breakaway dividers enable compartment configurations. Available in 8' [2.4m] lengths. Packed 48' [14.6m] per carton.

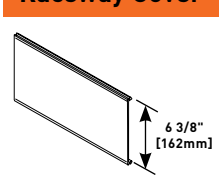
Wire Clip



PART NUMBERS:
5500WCA (Ivory)

Retains wires in raceway.

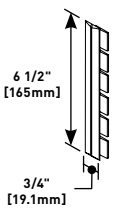
Raceway Cover



PART NUMBERS:
5500C (Ivory)
5500C-WH (White)

Use with 5500BD3. Available in 8' [2.4m] lengths. Packed 48' [14.6m] per carton.

Cover Clip



PART NUMBERS:
5506 (Ivory)
5506-WH (White)

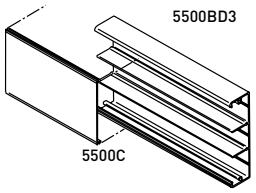
For covering seam where two pieces of 5500C Cover come together.

5500 SERIES™ RACEWAY

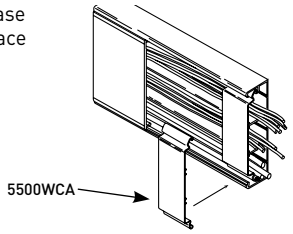
Installation Details

5500 Series Raceway Installation Details

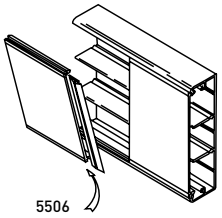
1. Integral dividers of the 5500BD3 may be removed by tearing off at the score mark. Mount raceway base to wall by using appropriate screws. Use two screws every 18" [457mm], using the ribs on the outermost compartments of the raceway as guides.



2. Place the 5500WCA Wire Clips in base as shown to contain the wires in place while installing.

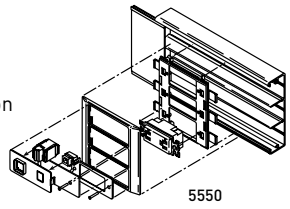


3. Slide the 5506 Cover Clip on the uninstalled section of raceway cover as shown; snap cover to the base overlapping the seam cover over the installed section.



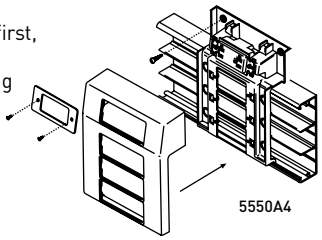
4. Sequence for installing devices:

1. Snap bracket in raceway base.
2. Fasten devices to bracket. Communication devices snap onto bracket (see Communication Connectivity Section).
3. Snap raceway covers to base, butting against bracket.
4. Assemble trim ring.
5. Insert CM-EPLA or S2-EPL, if required.
6. Install Wiremold Open System communication modules, Ortronics® TracJack or Series II inserts, or Pass & Seymour® Activate Series inserts required.
7. Or install 5507 faceplates, if required.

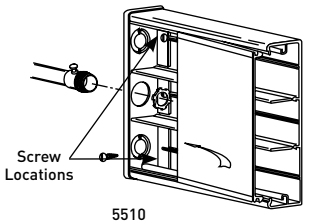


Note: Use blank plates to cover any unused slots in bracket.

5. Install bracket to raceway base first, mount to the wall with screws, and mount device. After installing raceway cover, snap box cover to bracket and assemble device plate.

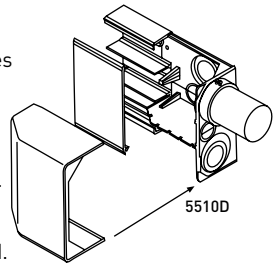


6. End cap may be used as a blank to cap off the raceway at the end-of-run, or to feed wires from a 1/2" trade size pipe (punch out the proper KO). Mount endcap to raceway base using appropriate screws. Slide raceway cover under the upper lip of the end cap as shown, before snapping to base.

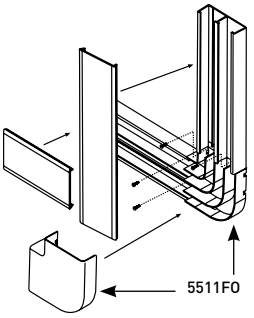


7. Feed raceway from larger conduit.

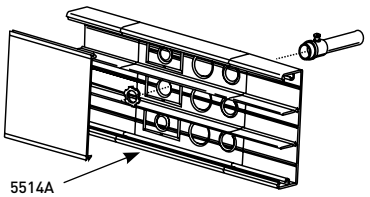
1. Line up base of the fitting with the raceway base using the tongues as guides.
2. Fasten the base of the fitting to the wall using screws.
3. Remove the proper KO.
4. Attach conduit using proper fitting.
5. Feed the necessary cables.
6. Slide the dividers (two provided) into the mounting guides if needed.
7. Snap the raceway cover on the base.
8. Snap fitting cover onto the base using guiding keyslots in base.



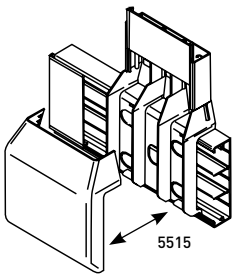
8. Mount flat elbow as shown; assemble raceway covers first, then elbow cover.



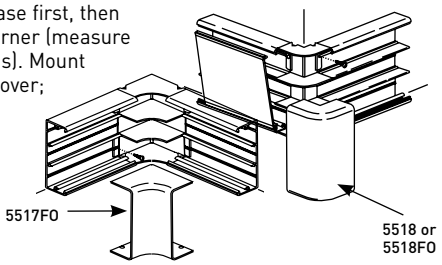
9. Use this fitting to back feed from existing wall box, or to feed from 1/2", 3/4" and 1" trade size conduit: score KO with knife, then punch out.



10. Punch out appropriate hole in the tee fitting base, and snap to raceway base; screw down to wall. Assemble raceway covers to base and then snap to tee cover overlapping raceway covers.



11. Install one corner base first, then measure to other corner (measure from edges of fittings). Mount raceway base, and cover; assemble fitting cover last.



12. Punch out appropriate hole in fitting base and snap to the raceway base; screw down to the wall. Remove proper twistout from the insert by first scoring with a knife and then twisting. Slide the insert onto fitting cover. Assemble raceway covers to base and then snap fitting cover, overlapping raceway covers.

