

Large Capacity, Two-Piece Steel Surface Raceway

6000® Series Raceway can be used divided for separate wiring circuits or multi-service applications. For large cabling installations, 6000 can be used undivided as headers and feeders or to bring wiring to a specified location. 6000 Series Raceway is ideal for all applications requiring a high cable capacity, dual service steel raceway. Commercial, institutional, and industrial applications all benefit from the 6000 Series rigid steel construction and durable Ivory ScuffCoat™ finish. 6000 Series Raceway is also ideal for municipalities that require either all steel construction or prohibit nonmetallic cable management systems.



6000® Series Raceway shown as a divided system with Activate inserts and power device with a 4050 device bracket.

FEATURES & BENEFITS

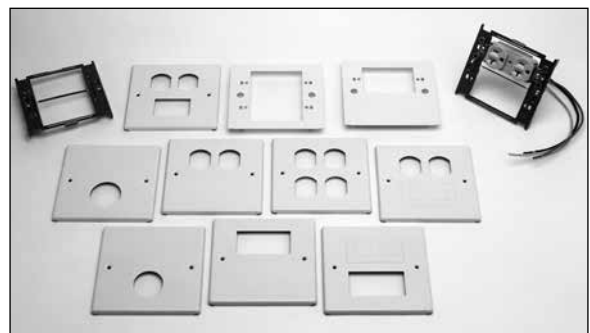
- **Steel raceway.** Provides superior strength for any dry interior location installation.
- **Extra large cross sectional area.** Provides space for large wiring requirements or installations that use large diameter cable for power and/or data/communications.
- **Dividable raceway base.** Snap-in divider creates two-compartment raceway. For bringing large amounts of power and data/communications cable to one location.
- **Complete line of fittings.** Provides complete wiring solution and allows for interconnection between raceway systems.
- **Gray baked enamel and Ivory ScuffCoat finish.** Enamel finish assures durability; can be easily overpainted. Durable Ivory ScuffCoat finish makes a scratch resistant surface.
- **Installs as a feeder or header raceway.** Ideal for overhead, open spaces and underfloor applications.
- **Accommodates large size devices.** Large size raceway accepts single- and dual-gang devices up to 100 amps and circuit breakers up to three pole.
- **Pre-cut covers for standard outlet center locations.** For mounting devices on various centers without cutting the

covers which reduces number of field cuts for labor savings.

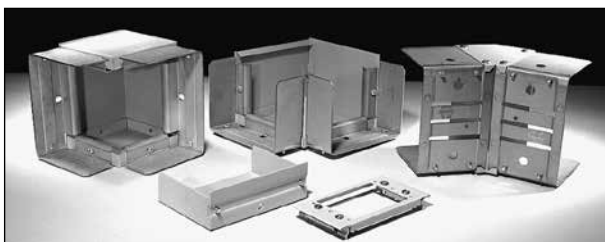
- **Base and cover cutters.** Manually operated cutters are lightweight and portable. Cutters offer labor savings for any size job and maintain a factory clean and square cut.
- **Communication connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use.
- **ADA compliant.** Raceway and fittings can be installed in conformance with ADA requirements.
- **UL Listed and CSA Certified.** Raceway UL file E4376 Guide RJBT, CSA file LR350. Fittings UL file 41751 Guide RJPR, CSA file 350 and 48952.



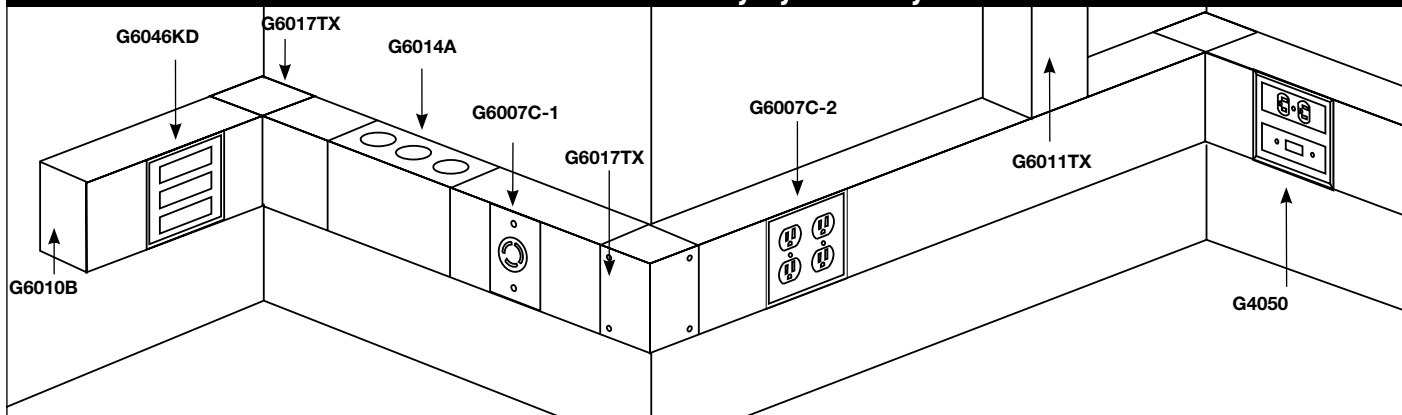
Download this product's PEP ecopassport® environmental product declaration at www.legrand.us/resources-and-downloads. This declaration conforms with ISO 14025 and 14040 and is in alignment with EN 15804.



4047 Series Faceplates accommodate a wide range of power and communications applications.



6000 Series Raceway System Layout



NOTE: Illustration is for showing single service product application only.

6000 Raceway Wire Fill Capacity for Power

WIRE SIZE THHN/THWN	O.D. inches (mm)	NUMBER OF CONDUCTORS (40% FILL)							
		WITHOUT DEVICES		WITH DUPLEX RECT. DEVICES 1.59 in. ² (1025mm ²)		WITH SURGE/ GFCI DEVICES 2.30 in. ² (1485mm ²)		LARGE SINGLE RECEPTACLES 3.00 in. ² (1935mm ²)	
		UNDIV.	DIVIDED	UNDIV.	DIVIDED	UNDIV.	DIVIDED	UNDIV.	DIVIDED
14 AWG	0.111 (2.8)	659	296	528	231	470	202	412	173
12 AWG	0.130 (3.3)	481	216	385	168	342	147	300	126
10 AWG	0.164 (4.2)	303	136	243	106	216	92	189	79
8 AWG	0.216 (5.5)	174	78	140	61	124	53	109	45
6 AWG	0.254 (6.5)	126	56	101	44	89	38	78	33
4 AWG	0.324 (8.2)	77	34	0	0	0	0	0	0
3 AWG	0.352 (8.9)	65	29	0	0	0	0	0	0
2 AWG	0.384 (9.8)	55	24	0	0	0	0	0	0
1 AWG	0.446 (11.3)	40	18	0	0	0	0	0	0
1/0 AWG	0.486 (12.3)	34	15	0	0	0	0	0	0
2/0 AWG	0.532 (13.5)	28	12	0	0	0	0	0	0

NOTE: For additional information, refer to the Technical Section of ED1560 (Product Guide).

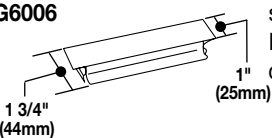
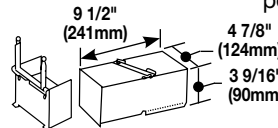
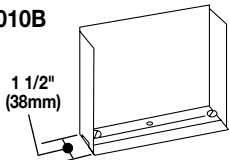
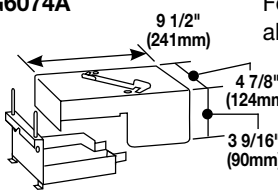
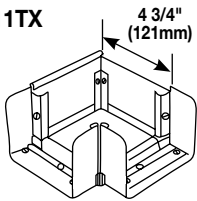
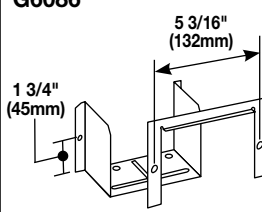
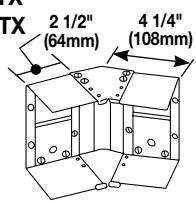
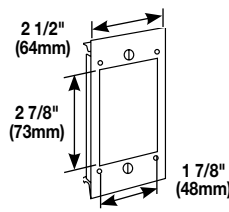
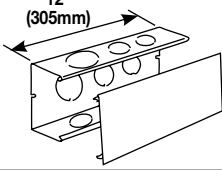
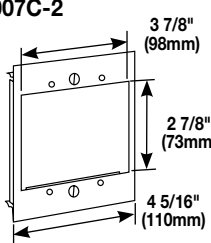
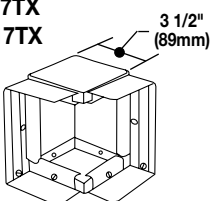
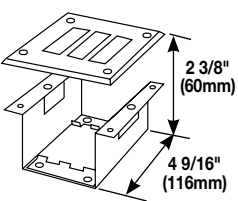
6000 Raceway Cable Fill Capacities for Data/Communications

CABLE TYPE	CATEGORY / DESIGNATION	O.D. Inches (mm)	DIVIDED 40% FILL	UNDIVIDED 40% FILL
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 3	0.190 (4.8)	101	225
	4-pair, 24 AWG Cat 5e	0.210 (5.3)	83	184
	4-pair, 24 AWG Cat 6	0.250 (6.3)	58	130
	4-pair, 24 AWG Cat 6a*	0.354 (9.0)	29	65
	25-pair, 24 AWG Cat 6	0.410 (10.4)	21	48
TELEPHONE	2-pair, 24 AWG	0.140 (3.6)	187	415
	3-pair, 24 AWG	0.150 (3.8)	163	362
	4-pair, 24 AWG	0.190 (4.8)	101	225
	25-pair, 24 AWG	0.410 (10.4)	21	48
COAXIAL	RG58/U	0.195 (5.0)	96	214
	RG59/U	0.242 (6.1)	62	139
	RG62/U	0.242 (6.1)	62	139
	RG6/U	0.270 (6.9)	50	111
TWINAXIAL	100 Ohm	0.330 (8.4)	33	74
SHIELDED TWISTED PAIR	TYPE 1	0.390 (9.9)	24	53
	TYPE 2	0.465 (11.8)	16	37
	TYPE 3	0.245 (6.2)	61	135
FIBER	Mini ZipCord	0.079 x 0.157 (2 x 4)	232	516
	ZipCord	0.118 x 0.236 (3 x 6)	103	230
	Round 4 Strand Fiber	0.187 (4.8)	104	233
	Round 6 Strand Fiber	0.256 (6.5)	55	124

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 & Spaces, TIA/EIA-569. Actual wire fill capacity may vary based on applications, cable types, and number, as well as type of fittings. (Fitting may cause additional variances to the fill capacity.)

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

6000 Series Raceway Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications						
V6006 G6006	Connection Cover – Use where two sections of 4000 or 6000 Series Raceway Cover, not squarely cut, come together. 	V6074 G6074	Take-Off Connector (6000 to 6000) – For 90° tee connection at any point along a run of 6000. 						
V6010B G6010B	Blank End Fitting – For closing open end of 6000 Series Raceway. 	V6074A G6074A	Take-Off Connector (6000 to 4000) – For 90° tee connection at any point along a run of 6000. 						
V6011TX G6011TX	Combination Flat Elbow – For using as a flat elbow, tee, or cross, (one 6001TX required for tee; two for cross; not included). 	V6086 G6086	Panel Connector – For connecting 6000 with surface type panel boxes. Accommodates maximum wire capacity of 6000 system. Separate C-flange fits around raceway, covering uneven cuts to the box. Cut 4 3/4" x 3 9/16" (121mm x 90mm) hole in panel box. 						
V6012TX G6012TX	Internal or External 45° Elbow – For making internal or external 45° turns in a run of 6000 Series Raceway. Can also be assembled as an inverted 45° elbow. 	V6007C-1 G6007C-1	Single-Gang Device Cover – For vertical mounting single-gang devices on undivided raceway. Accepts commercially available wall plate (sold separately). 						
V6014A G6014A	Connector Fitting – Has 1 1/4", 1 1/2" and 2" (32mm, 38mm and 51mm) trade size KOs in back and on each side. 	V6007C-2 G6007C-2	Two-Gang Device Plate – For installing two-gang devices or two vertically mounted single-gang devices on undivided raceway. Accepts commercially available wall plate (sold separately). 						
V6017TX G6017TX	Combination Internal/External 90° Elbow – For use as internal or external elbow, straight-through fitting, tee, or cross (one G6001TX required for tee or straight through fitting; two for cross; not included). 								
V6046KD G6046KD	Circuit Breaker Housing – KOs in cover can be removed for installation of three single-pole breakers. For use with the following breakers rated 100A maximum.  <table border="1" data-bbox="428 1772 737 1845"><thead><tr><th>MANUFACTURER</th><th>SERIES</th></tr></thead><tbody><tr><td>General Electric</td><td>THQC, THHQC</td></tr><tr><td>Westinghouse</td><td>Quicklag, C, QCH</td></tr></tbody></table>	MANUFACTURER	SERIES	General Electric	THQC, THHQC	Westinghouse	Quicklag, C, QCH		
MANUFACTURER	SERIES								
General Electric	THQC, THHQC								
Westinghouse	Quicklag, C, QCH								

* 4000C and 6000C are compatible with 4000B and 6000B Raceway.

† G6001DA Divider Clips are required to hold divider in place.

4047 Series Configurable Cover Plates Number Logic

1. For "X", Choose one of the following options:

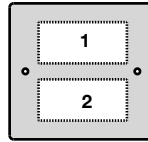
V Ivory & UL Listed
G Gray & UL Listed

CV Ivory & cULus Listed (Canada only)
CG Gray & cULus Listed (Canada only)

2. Choose a
Plate Configuration:

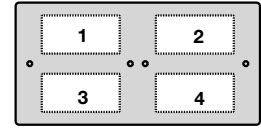
Two-Gang Plate:

X 4047 Y Y
 1 2



Four-Gang Plate:

X 4047-2 Y Y Y Y
 1 2 3 4



3. For "Y", Choose any combination of configurations from the options listed below:

- | | | |
|--|---|---|
| <p>A. 1.41" (35.8mm) Diameter, Single Round Receptacle</p> <p>B. Duplex Receptacle Opening</p> <p>F. Combination Modular Furniture & 2 Keystone Twist Out</p> <p>H. Mouse Hole Twist Out & Grommet</p> | <p>J. 1.59" (40mm) Diameter, Single Round Receptacle</p> <p>M. Pass & Seymour Activate 2A Mini adapter Opening with Adapter</p> <p>R. Rectangular Receptacle</p> <p>S. Ortronics Series II 2A Mini adapter Opening with Adapter</p> | <p>T. Ortronics TracJack 2A Mini Adapter Adapter Opening with Adapter</p> <p>W. Pass & Seymour Light Almond 20 Amp Receptacle pre-pigtailed with 12" wire leads installed on Bracket</p> <p>X. Blank</p> <p>Z. 3 Keystone Twist Out</p> |
|--|---|---|

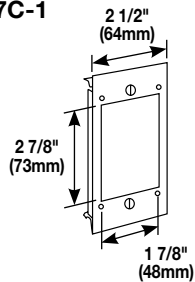
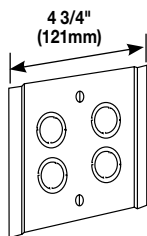
4. Finished Part Number

_ 4047 _ _ _ 4047-2 _ _ _ _

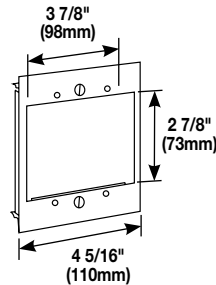
NOTE: For additional colors or configurations, call 1-800-621-0049, option 2.

4000 Series Faceplates Ordering Information

Catalog No./Item	Description/Specifications
V4046H-2 G4046H-2	Tap-Off Fitting – Has four concentric 1/2" and 3/4" trade size KOs.
V6007C-1 G6007C-1	Single-Gang Device Cover – For vertical mounting single-gang devices on undivided raceway. Accepts commercially available wall plate (sold separately).



Catalog No./Item	Description/Specifications
V6007C-2 G6007C-2	Two-Gang Device Plate – For installing two-gang devices or two vertically mounted single-gang devices on undivided raceway. <ul style="list-style-type: none"> • Accepts commercially available wall plate (not furnished).



NOTE: Faceplates can also be used with 6000 Series Raceway.
 ➤ Add "C" prefix to denote Canadian version – UL Listed to U.S. and Canadian Safety Standards. (UL)