

## 4000® SERIES RACEWAY



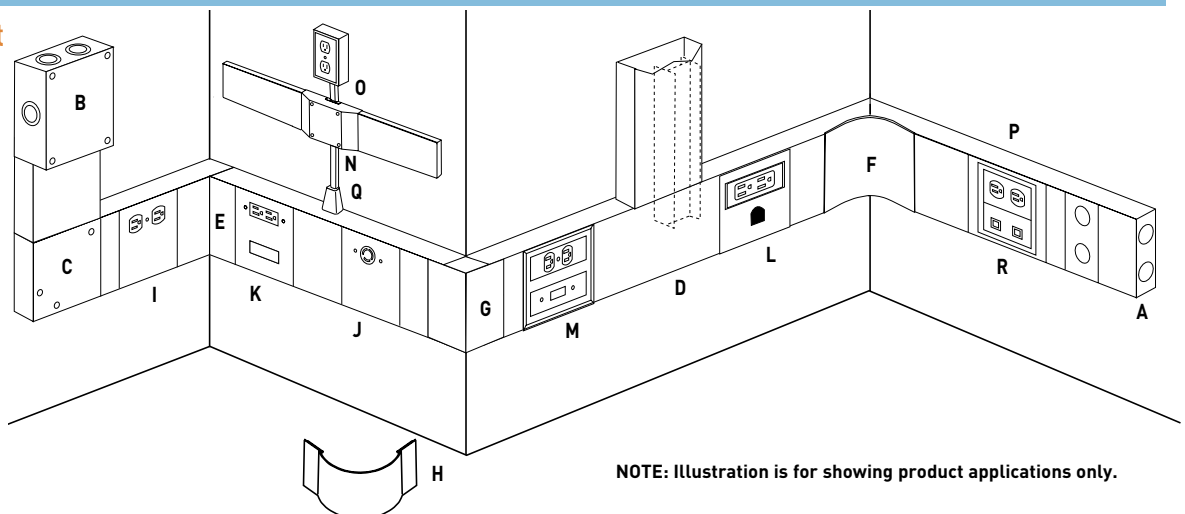
Single- and Dual-Channel, Steel Raceway. Easy-to-install and ideal for basic power or communication/low voltage installations.

## CODE REFERENCE

**cULus Listed Raceway:**  
File E4376 Guide RJBT.

**Fittings:**  
File E41751 Guide RJPR.  
Meets Article 386 of NEC.  
Meets Section 12-1600 of CEC.

## System Layout



**NOTE:** Illustration is for showing product applications only.

## KEY

- |                                                 |                                                 |                                                                      |                                          |
|-------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------|------------------------------------------|
| A. 4010B Blank End Fitting                      | G. 4018 External Elbow                          | K. 4047RF Rectangular Receptacles and Modular Furniture Device Plate | N. 4075DA Bridge Fitting                 |
| B. 4010DFO Entrance End Fitting                 | H. 4018FO Radiused Full Capacity External Elbow | L. 4047RH Device Plate for Rectangular Receptacle and Mousehole      | O. 500 Series Raceway                    |
| C. 4011 Flat Elbow                              | I. 4047BX Duplex Receptacle Device Plate        | M. 4050 Device Mounting Plate with 5507 Series Faceplates            | P. 5507D Duplex Faceplate                |
| D. 4015D Divided Tee                            | J. 4047JX Single Receptacle & Device Plate      |                                                                      | Q. 5785 Combination Connector            |
| E. 4017 Internal Elbow                          |                                                 |                                                                      | R. 5507RJ Device Plate with two RJ ports |
| F. 4017FO Radiused Full Capacity Internal Elbow |                                                 |                                                                      |                                          |

## COLOR OPTIONS



4000® Series Raceway Part Numbers with a "V" prefix have an ivory finish. Part Numbers with a "G" prefix have a gray finish.

**Custom color options are also available. Consult the factory for more information.**

# 4000® SERIES RACEWAY

## 4000 Series Raceway Wire Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D. (APPROX. DIA.)		DIVIDED 40% FILL	UNDIVIDED 40% FILL
		Inches	[mm]		
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	[4.8]	49	101
	4-pair, 24 AWG, Cat 5e	0.210	[5.3]	40	83
	4-pair, 24 AWG, Cat 6	0.250	[6.3]	28	58
	4-pair, 24 AWG, Cat 6a*	0.354	[9.0]	14	29
	25-pair, 24 AWG	0.410	[10.4]	10	21
COAXIAL	RG6/U	0.270	[6.9]	24	50
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	50	103
	Round 4 Strand Fiber	0.187	[4.8]	51	104
	Round 6 Strand Fiber	0.256	[6.5]	27	55

## 4000 Series Raceway Wire Fill Capacities for Power

WIRE SIZE THHN/THWN	O.D.		NUMBER OF CONDUCTORS (40% FILL)							
			WITHOUT DEVICES		WITH DUPLEX RECT. DEVICES 1.59in. <sup>2</sup> [1025mm <sup>2</sup> ]		WITH SURGE/ GFCI DEVICES 2.30in. <sup>2</sup> [1485mm <sup>2</sup> ]		LARGE SINGLE RECEPTACLES 3.00in. <sup>2</sup> [1935mm <sup>2</sup> ]	
	Inches	[mm]			Undiv.	Divided	Undiv.	Divided	Undiv.	Divided
14 AWG	0.111	[2.8]	296	127	165	78	107	49	49	20
12 AWG	0.130	[3.3]	216	93	120	57	78	36	36	15
10 AWG	0.164	[4.2]	136	58	76	36	49	22	22	9
8 AWG	0.216	[5.5]	78	33	43	20	28	13	13	5
6 AWG	0.254	[6.5]	56	24	31	15	20	9	9	3
4 AWG	0.324	[8.2]	34	15	0	0	0	0	0	0
3 AWG	0.352	[8.9]	29	12	0	0	0	0	0	0
2 AWG	0.384	[9.8]	24	10	0	0	0	0	0	0

## 4000 Series Raceway Fittings Wire Fill Capacities When using 4000 Radius Inserts

	CABLE/WIRE SIZE	O.D.		4011 FLAT ELBOW 40% FILL		4017 & 4018 ELBOWS 40% FILL		4015D & 4015 TEE FITTING 40% FILL	
				4011DRI DIV.	4011/15RI UNDIV.	4017/18RI DIV.	4017/18RI UNDIV.	4015DRI DIV.	4011/15RI UNDIV.
		Inches	[mm]						
POWER WIRING THHN/THWN	2	0.384	[9.8]	11	21	6	11	6	16
	4	0.324	[8.2]	15	30	8	15	9	23
	6	0.254	[6.5]	24	48	13	25	14	37
	8	0.216	[5.5]	34	67	18	35	20	51
	10	0.164	[4.2]	68	136	36	71	40	104
	12	0.130	[3.3]	107	214	56	112	63	163
	14	0.111	[2.8]	145	288	75	151	85	220
UNSHIELDED TWISTED PAIR	Cat. 3 UTP	0.190	[4.8]	44	88	23	46	26	67
	Cat 5e UTP	0.210	[5.3]	36	72	19	38	21	55
	Cat 6 UTP	0.250	[6.3]	23	47	12	24	13	36
	Cat 6a UTP	0.354	[9.0]	16	31	9	15	10	24
	25-pair	0.410	[10.4]	9	19	5	10	6	14
COAXIAL	RG6/U	0.270	[6.9]	22	44	22	23	13	33
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	132	263	69	137	78	201
	Round 4 Strand Fiber	0.187	[4.8]	44	88	23	46	26	67
	Round 6 Strand Fiber	0.256	[6.5]	36	72	19	38	21	55

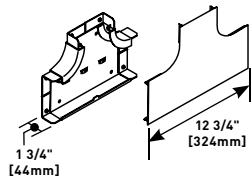
**NOTE:** For additional information, refer to the Technical Section.

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

## 4000® SERIES RACEWAY

## 4000 Series Raceway Ordering Information (continued)

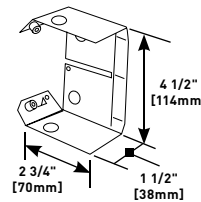
## Radiused Full Capacity Tee



**PART NUMBERS:**  
**V4015FO** (Ivory)  
**G4015FO** (Gray)

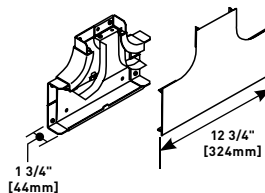
Full capacity, undivided tee fitting. Provides 2" [51mm] cable bend radius control for UTP, STP and fiber optic installations. Ideal for new installations whether the cable is lay-in or pull-through.

## G4017TCA Internal Corner Coupling (Plated)



Makes an internal corner while continuing original run in a straight line. May be used with or without divider. Fiber bushing included.

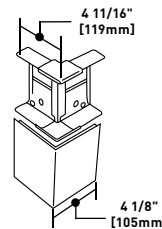
## Radiused Full Capacity Divided Tee



**PART NUMBERS:**  
**V4015DFO** (Ivory)  
**G4015DFO** (Gray)

Full capacity, divided tee fitting. Provides 2" [51mm] cable bend radius control for UTP, STP and fiber optic installations. Ideal for new installations whether the cable is lay-in or pull-through.

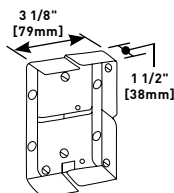
## External Elbow



**PART NUMBERS:**  
**V4018** (Ivory)  
**G4018** (Gray)

90° external corners.

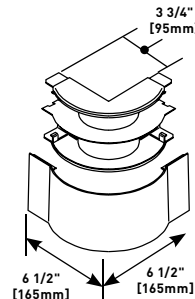
## Internal Elbow



**PART NUMBERS:**  
**V4017** (Ivory)  
**G4017** (Gray)

90° internal corners. Fiber bushing included.

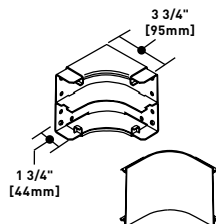
## Radiused Full Capacity External Elbow



**PART NUMBERS:**  
**V4018FO** (Ivory)  
**G4018FO** (Gray)

Full capacity 90° external corner. Used in both divided and undivided applications. Provides 2" [51mm] cable bend radius control for UTP, STP and fiber optic installations. Ideal for new installations whether the cable is lay-in or pull-through.

## Internal Full Capacity Elbow



**PART NUMBERS:**  
**V4017FO** (Ivory)  
**G4017FO** (Gray)

Full capacity, divided internal elbow. Provides 2" [51mm] cable bend radius control for UTP, STP and fiber optic installations. Ideal for new installations whether the cable is lay-in or pull-through.

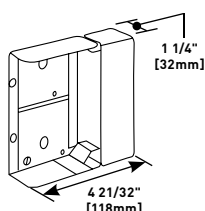
## 4011/15RI Radiused Corner Insert



Two required for use with 4015.

Radiused insert for 4011 Flat Elbow and for 4015 Undivided Tee. Provides 2" [51mm] cable bend radius control for UTP, STP and fiber optic cable installations. Ideal for new and retrofit applications whether the cable installation is lay-in or pull-through.

## Inverted Internal Elbow



**PART NUMBERS:**  
**V4017N** (Ivory)  
**G4017N** (Gray)

Connects a vertical run of 4000 Series Raceway with a horizontal overhead run with its cover facing up.

