

## Dual-Channel 40N2 Series Nonmetallic Raceway Systems

With its tamper-resistant design, the CableSmart 40N2 Series Raceway is ideal for schools or office settings, where greater security is a requirement. The 40N2 Series Raceway from Wiremold/Legrand offers separate channels for power and communications cabling with a single cover.



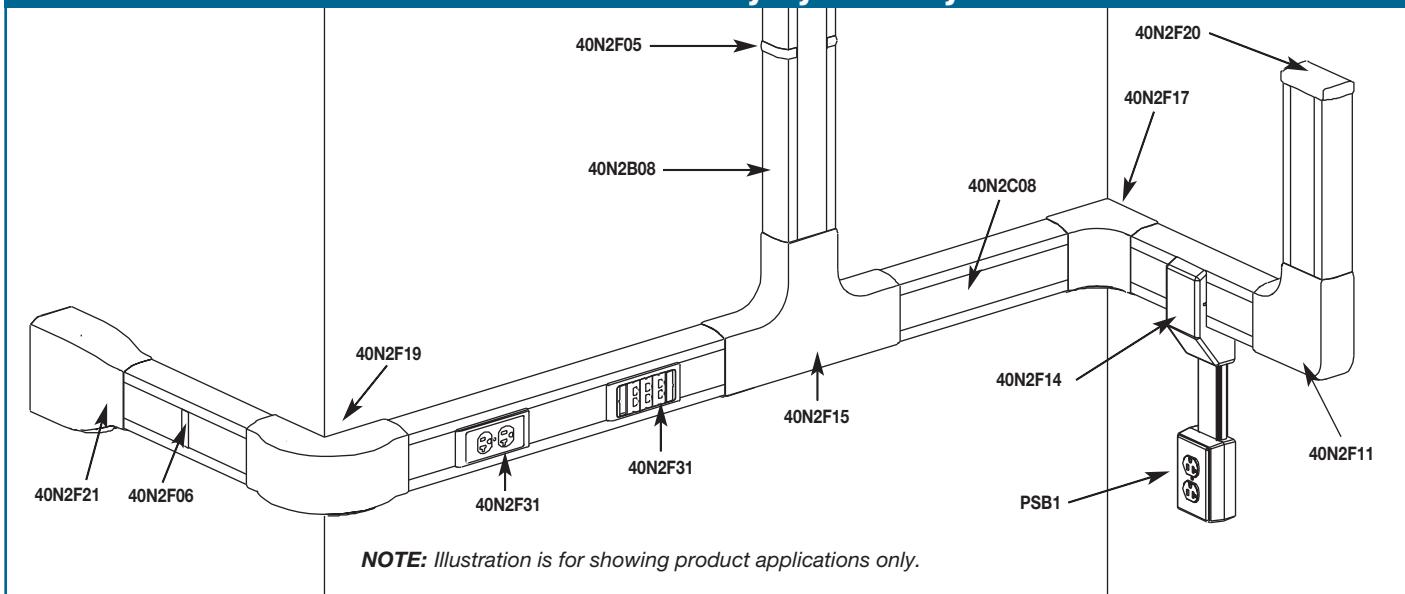
*40N2 Series Raceway featuring  
40N2F31 Device Bracket.*

### Features & Benefits

- **Extremely tamper-resistant.** Perfect for school applications or anywhere additional security is a priority.
- **FiberReady® 2" [51mm] fittings.** The FiberReady Series of fittings snap on to overlap raceway base and cover for an aesthetic installation. Fittings are cULus verified for a 2" [51mm] bend radius and exceed the recommendations of TIA/EIA-569. They provide cable protection in lay-in and pull-through cable installations.
- **Available prewired.** Manufactured to job site lengths, raceway comes completely prewired, ready to install. Jobs can be packaged by area, floor, or building and shipped per job site requirements.
- **Electrical device identification for prewired jobs.** Eliminates guesswork and circuit tracking to speed additions and renovations.
- **Pre-punched mounting holes.** Faster and easier installation.
- **New transition fitting options.** Used to transition to PN03, PN05 and PN10 Series Latching Raceways.
- **Made of PVC material.** Lightweight and easy to cut.
- **High capacity device box options.** 40N2F55 C-Box allows both power and data devices to be installed in the power channel, greatly increasing cable fill capacity for data cabling.
- **Ivory and white finish.** Blends with any decor. Paintable using latex paint.
- **Corner drop feed.** Provides solution for feeding horizontal runs of raceway.
- **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.



## 40N2 Series Raceway System Layout



## 40N2 Series Raceway Wire Fill Capacities

### 40N2 RACEWAY WIRE FILL CAPACITIES FOR POWER

	WIRE SIZE THHN/THWN	O.D. Inches	[mm]	NUMBER OF CONDUCTORS		MAX. NUMBER OF CONDUCTORS BOTH COMPARTMENTS
				Comp. A	Comp. B	
Power Wiring With or Without Devices	14 AWG	0.111	[2.8]	20	20	28
	12 AWG	0.130	[3.3]	18	18	36
	10 AWG	0.164	[4.2]	17	17	24
	8 AWG	0.216	[5.5]	15	15	20
	6 AWG	0.254	[6.5]	5	5	10

### 40N2 RACEWAY WIRE FILL CAPACITIES FOR DATA/COMMUNICATIONS

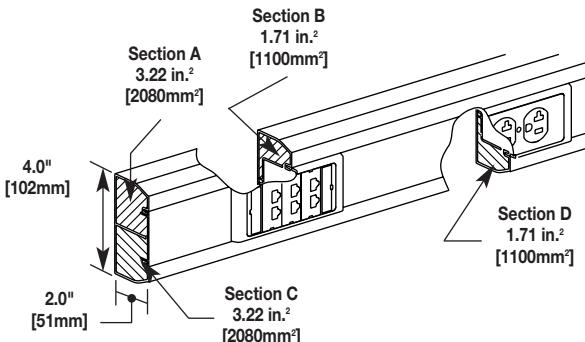
CABLE TYPE	CATEGORY/ DESIGNATION	O.D.		Section C	Section D
		Inches	[mm]	40% Fill*	40% Fill*
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 3	0.190	[4.8]	45	24
	4-pair, 24 AWG Cat 5e	0.210	[5.3]	37	19
	4-pair, 24 AWG Cat 6	0.250	[6.3]	26	13
	4-pair, 24 AWG Cat 6a**	0.354	[9.0]	13	6
	25-pair, 24 AWG	0.410	[10.4]	9	5
COAXIAL	RG6/U	0.270	[6.9]	22	11
FIBER	ZipCord	0.118 x 0.236	[3 x 6]	103	55
	Round 4 Strand	0.187	[4.8]	46	24
	Round 6 Strand	0.256	[6.5]	25	13

\* 40% cable fill is the maximum designed cable fill based on TIA/EIA 569-A.

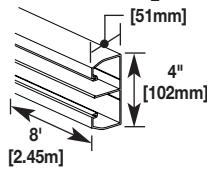
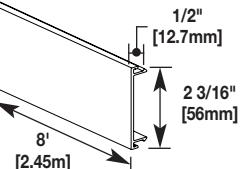
\*\* Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.

### TRANSITION FITTINGS TO EXISTING WIRING OR OTHER WIREMOLD RACEWAYS

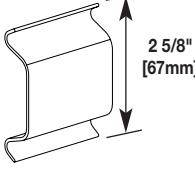
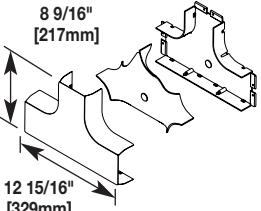
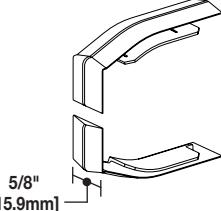
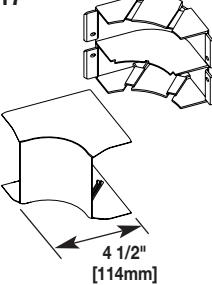
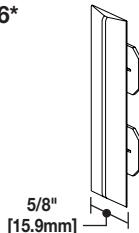
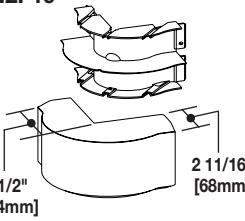
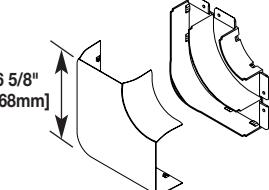
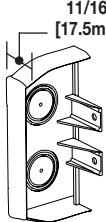
FROM	TO	CAT. NO.
1/2" or 3/4" trade size conduit or armored cable	40N2	40N2F20
3/4", 1", 1 1/4" & 1 1/2" trade size conduit or armored cable	40N2	40N2F21
40N2 Series Raceway	PN03, PN05, PN10, PN20	40N2F74



## 40N2 Series Raceway Profile

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
40N2B08*	 <p>Two-Compartment Base – Two equal compartments. Use with 40N2 Cover only. 40N2B08 available in 8' [2.4m] lengths with pre-punched mounting holes.</p>	40N2C08*	 <p>Full Width Cover – Use with 40N2B08 Base. 40N2C08 available in 8' [2.4m] lengths.</p>
<p>*Add "V" suffix for Ivory finish or "WH" suffix for White finish.</p>			

## 40N2 Series Raceway Fittings

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
40N2FWC	 <p>Wire Clip – Used to retain cables in raceway during installation.</p>	40N2F15*	 <p>2" [51mm] Bend Radius Full Capacity Tee – For branches at right angles. A full capacity tee fitting that provides separation of services and 2" [51mm] cable bend radius for UTP and fiber optic installations.</p>
40N2F05*	 <p>Base Clip – Covers seams between sections of 40N2 Base.</p>	40N2F17*	 <p>2" [51mm] Bend Radius Full Capacity Internal Elbow – A 90° internal corner with integral dividers to provide 2" [51mm] cable bend radius for UTP and fiber optic installations. Ideal for lay-in or pull-through installations.</p>
40N2F06*	 <p>Cover Clip – Covers seam between sections of 40N2 Cover.</p>	40N2F19*	 <p>2" [51mm] Bend Radius Full Capacity External Elbow – A 90° external corner with integral dividers to provide 2" [51mm] cable bend radius for UTP and fiber optic installations. Ideal for lay-in or pull-through applications.</p>
40N2F11*	 <p>2" [51mm] Bend Radius Full Capacity Flat Elbow – A 90° flat corner with integral dividers to provide 2" [51mm] cable bend radius for UTP and fiber optic installations. Ideal for lay-in or pull-through installations.</p>	40N2F20*	 <p>Blank End Fitting – Closes off raceway end runs. Can be used to feed raceway using 1/2" or 3/4" trade size conduit. Holes for conduit must be drilled. Use a step drill or other means.</p>