WIREMOLD

legrand®

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.
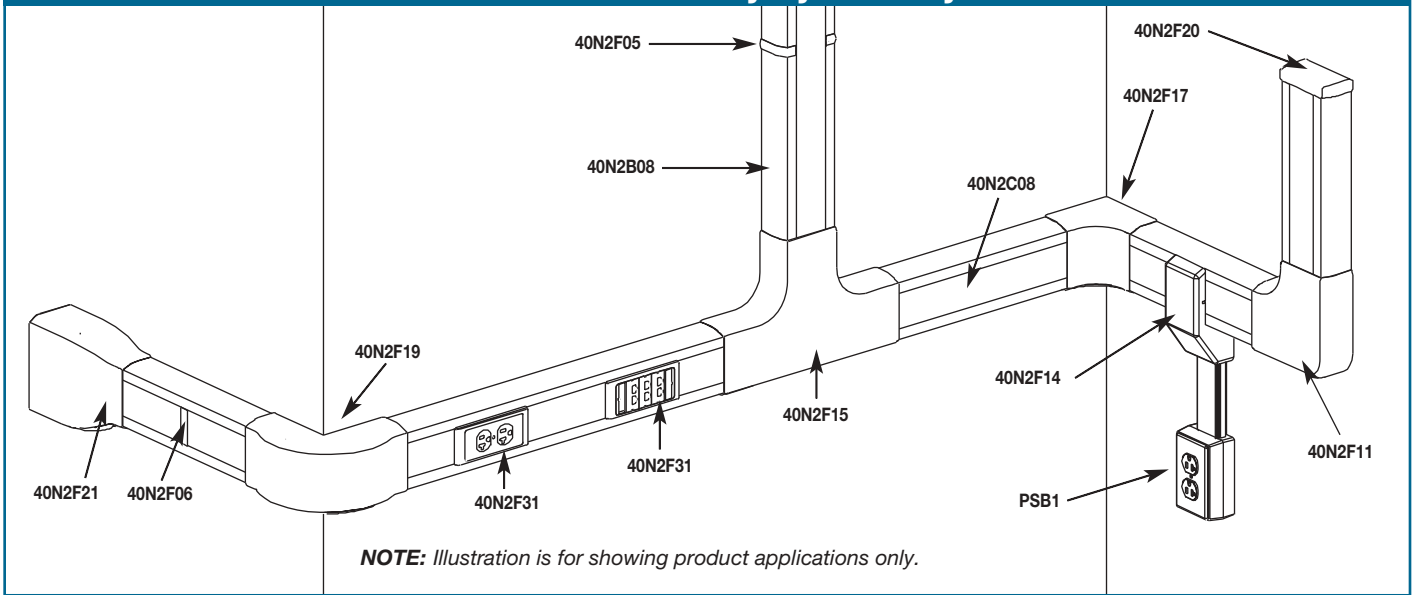
40N2 Series Raceway featuring 40N2F31 Device Bracket.

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.

- c(UL)us

40N2F05
40N2F20
40N2F17
40N2B08
40N2C08
40N2F19
40N2F14
40N2F15
40N2F11
40N2F21 40N2F06
40N2F31
40N2F31
PSB1

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

40N2 Series Raceway Wire Fill Capacities

40N2 RACEWAY WIRE FILL CAPACITIES FOR POWER

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

40N2 RACEWAY WIRE FILL CAPACITIES FOR DATA/COMMUNICATIONS

CABLE TYPE	CATEGORY/ DESIGNATION	O.D. Inches	O.D. [mm]	Section C 40% Fill*	Section D 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.
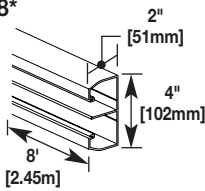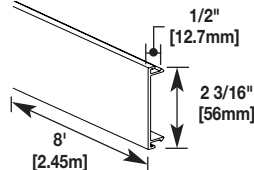** Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed
     cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.

TRANSITION FITTINGS TO EXISTING WIRING OR OTHER WIREMOLD RACEWAYS

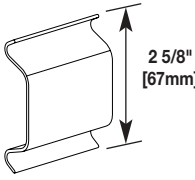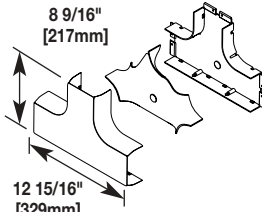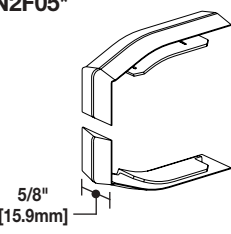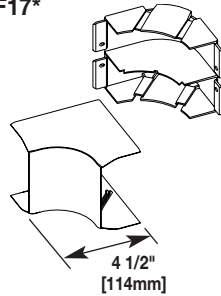| FROM	TO	CAT. NO.
1/2" or 3/4" trade size conduit or armored cable	40N2	40N2F20
3/4", 1", 1 1/4" & 1 1/2" trade size conduit or armored cable	40N2	40N2F21
40N2 Series Raceway	PN03, PN05, PN10, PN20	40N2F74

Section A
3.22 in.²
[2080mm²]

Section B
1.71 in.²
[1100mm²]

Section C
3.22 in.²
[2080mm²]

Section D
1.71 in.²
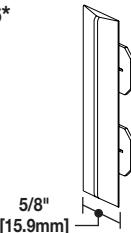[1100mm²]

4.0"
[102mm]

2.0"
[51mm]
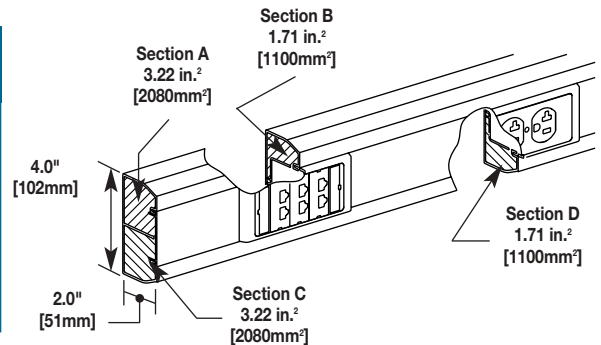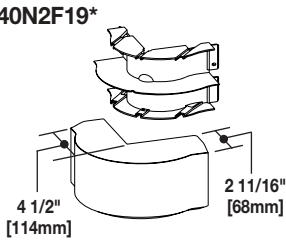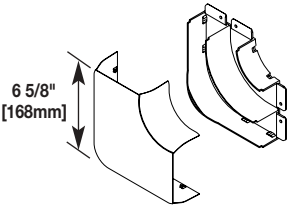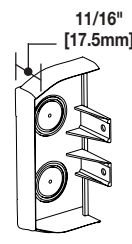
40N2 Series Raceway Profile

Catalog No./Item	Description/Specifications
40N2B08* 2" [51mm] 4" [102mm] 8' [2.45m]	**Two-Compartment Base** – Two equal compartments. Use with 40N2 Cover only. 40N2B08 available in 8' [2.4m] lengths with pre-punched mounting holes.

Catalog No./Item	Description/Specifications
40N2C08* 1/2" [12.7mm] 2 3/16" [56mm] 8' [2.45m]	**Full Width Cover –** Use with 40N2B08 Base. 40N2C08 available in 8' [2.4m] lengths.

Add "V" suffix for Ivory finish or "WH" suffix for White finish.

40N2 Series Raceway Fittings

Catalog No./Item	Description/Specifications
40N2FWC 2 5/8" [67mm]	**Wire Clip** – Used to retain cables in raceway during installation.
40N2F05* 5/8" [15.9mm]	**Base Clip** – Covers seams between sections of 40N2 Base.
40N2F06* 5/8" [15.9mm]	**Cover Clip** – Covers seam between sections of 40N2 Cover.
40N2F11* 6 5/8" [168mm]	**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.

Catalog No./Item	Description/Specifications
40N2F15* 8 9/16" [217mm] 12 15/16" [329mm]	**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.
40N2F17* 4 1/2" [114mm]	**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.
40N2F19* 4 1/2" [114mm] 2 11/16" [68mm]	**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.
40N2F20* 11/16" [17.5mm]	**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.