WIREMOLD

legrand®

CableSmart™ Series
Nonmetallic Raceway

Dual-Channel 40N2 Series Nonmetallic Raceway Systems

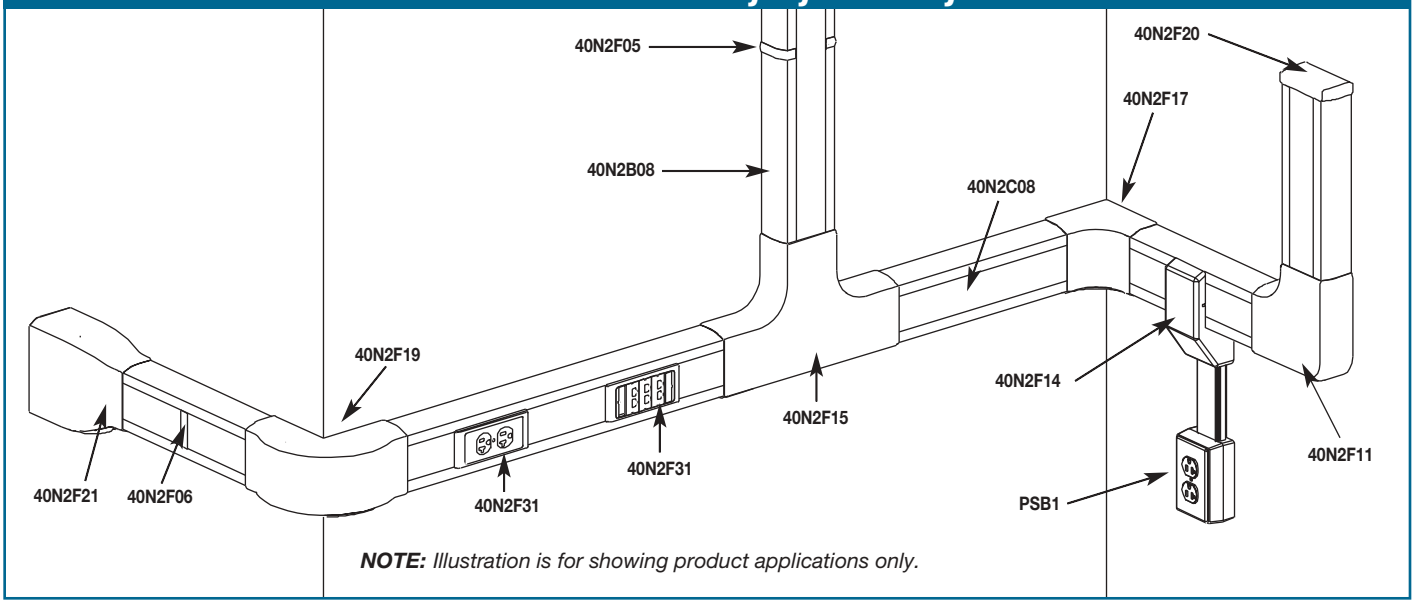
With its tamper-resistant design, the CableSmart 40N2 Series Raceway is ideal for schools or office settings, where greater security is a requirement. The 40N2 Series Raceway from Wiremold/Legrand offers separate channels for power and communications cabling with a single cover.

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

40N2 Series Raceway System Layout



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 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

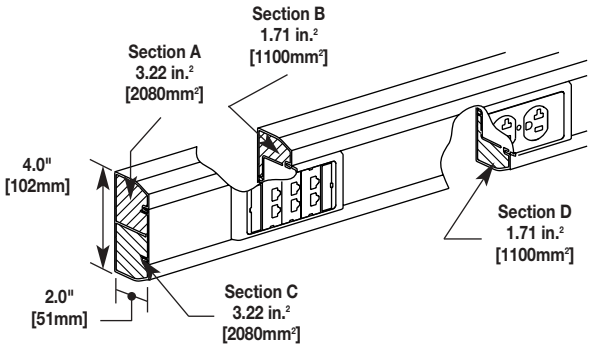
CABLE TYPE	CATEGORY/ DESIGNATION	O.D. Inches	O.D. [mm]	Section C 40% Fill*	Section D 40% Fill*
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 3	0.190	[4.8]	45	24
	4-pair, 24 AWG Cat 5e	0.210	[5.3]	37	19
	4-pair, 24 AWG Cat 6	0.250	[6.3]	26	13
	4-pair, 24 AWG Cat 6a**	0.354	[9.0]	13	6
	25-pair, 24 AWG	0.410	[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.*

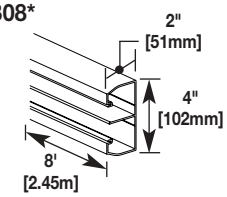
** *Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.*

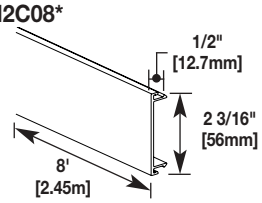
TRANSITION FITTINGS TO EXISTING WIRING OR OTHER WIREMOLD RACEWAYS

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



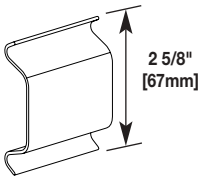
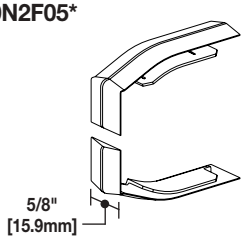
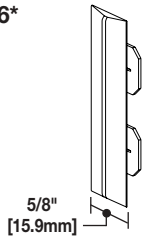
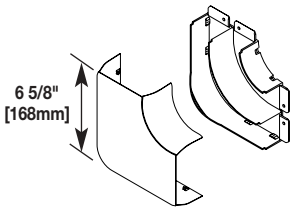
40N2 Series Raceway Profile

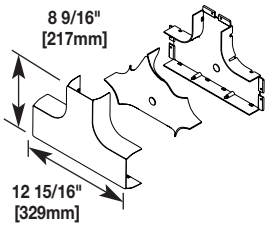
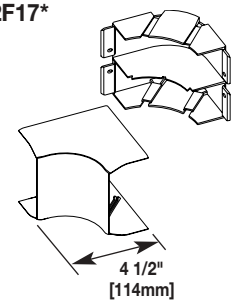
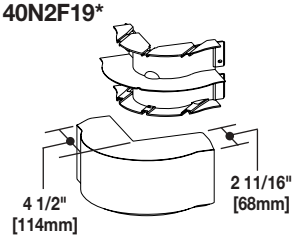
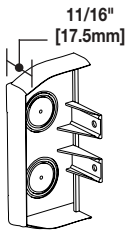
Catalog No./Item	Description/Specifications
40N2B08* 	**Two-Compartment Base** – Two equal compartments. Use with 40N2 Cover only. 40N2B08 available in 8' [2.4m] lengths with pre-punched mounting holes.

Catalog No./Item	Description/Specifications
40N2C08* 	**Full Width Cover –** Use with 40N2B08 Base. 40N2C08 available in 8' [2.4m] lengths.

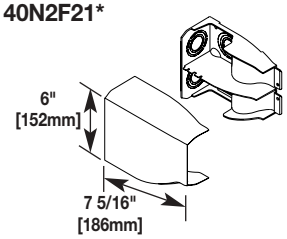
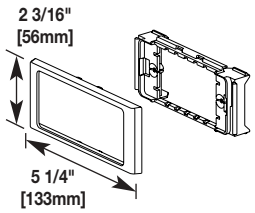
**Add "V" suffix for Ivory finish or "WH" suffix for White finish.*

40N2 Series Raceway Fittings

Catalog No./Item	Description/Specifications
40N2FWC 	**Wire Clip** – Used to retain cables in raceway during installation.
40N2F05* 	**Base Clip** – Covers seams between sections of 40N2 Base.
40N2F06* 	**Cover Clip** – Covers seam between sections of 40N2 Cover.
40N2F11* 	**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.

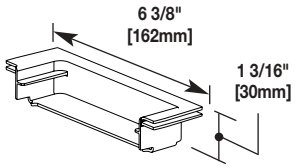
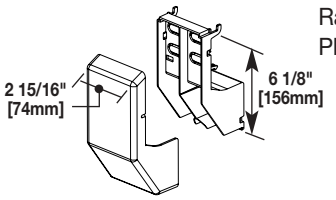
Catalog No./Item	Description/Specifications
40N2F15* 	**2" [51mm] Bend Radius Full Capacity Tee** – For branches at right angles. A full capacity tee fitting that provides separation of services and 2" [51mm] cable bend radius for UTP and fiber optic installations.
40N2F17* 	**2" [51mm] Bend Radius Full 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* 	**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* 	**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.

40N2 Series Raceway Fittings

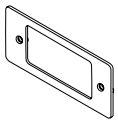
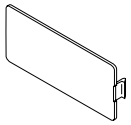
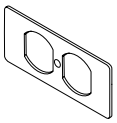
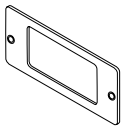
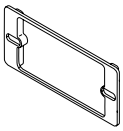
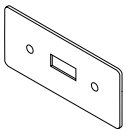
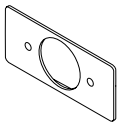
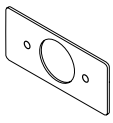
Catalog No./Item	Description/Specifications
40N2F21* 	**Divided Entrance End Fitting** – FiberReady divided fitting to feed 40N2 Series Raceway. Includes 3/4", 1", 1 1/4", and 1 1/2" trade size KOs on back and top.
40N2F31* 	**Twin Cover Device Bracket** – Use for power or communications devices in a single compartment. Use with either 40N2 or 60N2 Series Raceway. Accepts 5507 Series Faceplates. ORT P&S OPEN For use with: • Ortronics TracJack Individual Jack System • Ortronics Series II Front-Loading, Module System • Pass & Seymour Activate Series Front-Loading Inserts • Wiremold Open System Communication Modules.

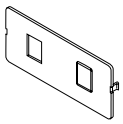
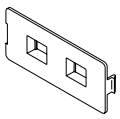
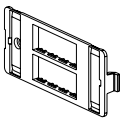
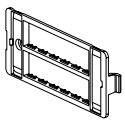
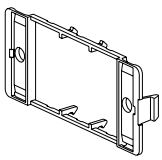
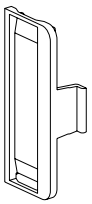
NOTE: CM-EPLA End Plates are required when using Wiremold communication modules and Pass & Seymour inserts. S2-EPL End Plates are required when using Ortronics Series II inserts. To mount Tracjack inserts, use 5507-4TJ or 5507-6TJ Faceplates.

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

Catalog No./Item	Description/Specifications
40N2F55 	**High Capacity Device Box**– Required for mounting power or datacom devices into a divided raceway application. One used per device location.
40N2F74* 	**Divided Transition Fitting** – Makes transition from 40N2 Series Raceway to PN03, PN05, and PN10 Series Raceways.

5507 Series Faceplates

Catalog No./Item	Description/Specifications
5507AD* 	**Modular Furniture Adapter** – • For mounting Activate modular furniture bezels and other modular furniture adapters. Not for use with rectangular (decorator) style devices ORT P&S OPEN
5507B* 	**Blank Faceplate** – For covering unused compartments in the device bracket.
5507D* 	**Duplex Faceplate** – For covering duplex style devices. • Accepts 106 Frame. ORT P&S OPEN
5507R* 	**Rectangular Faceplate** – For covering rectangular style devices.
5507S* 	**Rectangular Spacer** – For mounting commercial device plates. Installs between the device bracket and a device.
5507SW* 	**Switch Faceplate** – For covering standard toggle switches.
5507T1* 	**Single Receptacle Faceplate** – For covering single receptacles – 1.59" [40.4mm] diameter.
5507T2* 	**Single Receptacle Faceplate** – For covering single receptacles – 1.41" [35.8mm] diameter.

Catalog No./Item	Description/Specifications
5507RJ* 	**Dual RJ11/RJ45 Connector Faceplate** – • For mounting one or two RJ type connectors – has one opening and a KO for the other. ORT P&S OPEN
5507FRJ* 	**Flush Dual RJ11/RJ45 Faceplate** – Same as 5507RJ except the connectors are recessed to provide a flush installation. ORT P&S OPEN
5507-4TJ* 	**Ortronics® Faceplate** – For mounting Ortronics datacom inserts. • Accepts four TracJack Devices. ORT P&S OPEN
5507-6TJ* 	**Ortronics® Faceplate** – For mounting Ortronics datacom inserts. • Accepts six TracJack Devices. ORT P&S OPEN
CM-EPLA 	**End Plates** – Includes two outlet identification labels with clear covers and two matching screw covers. Required for mounting Pass & Seymour Activate and Wiremold Open System communication modules into 40N2 Series device brackets.
S2-EPL 	**End Plates** – Includes two outlet identification labels with clear covers and two matching screw covers. Required for mounting Ortronics Series II modules into 40N2 Series device brackets.

NOTE: *All face plates have a standard measurement of 4 1/4" x 1 7/8" [108mm x 34mm].*

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

Notes

Notes

Datacom Connectivity Options

Now you have a wide range of options for providing datacom connectivity into Wiremold® Cable Management Systems. They are:

- **Ortronics® TracJack® and Series II Modular Connectivity Solutions**
- **Pass & Seymour Activate™ Modular Inserts**
- **Open System Communication Modules**

Use these icons to determine connectivity options for each Wiremold System component:

ORT	ORT	ORT
P&S	P&S	P&S
OPEN	OPEN	OPEN

ORT
P&S
OPEN

Ortronics® Connectivity

TracJack® Individual Jack System

- Front-loading, snap-in design supports future moves adds and changes
- Inserts for voice, data, audio, and video
- Available Category 3, 5e, 6, USOC 6-position, and other media
- Flat or angled 45° exit configurations
- Choice of 13 colors and color matched to Wiremold Systems
- Universal T568A/B wiring format

Series II Front-Loading, Module System

- Module design features easy snap-in front-loading design
- Linear 110 punch down format for easy termination
- Inserts for voice, data, audio, and video
- Available Category 3, 5e, 6, USOC 6-position, and other media
- Available in flat or angled 45° exit configurations
- Color matched to Wiremold Systems

For detailed product selection refer to the Ortronics Catalog or visit www.ortronics.com.

ORT
P&S
OPEN

Pass & Seymour Legrand Network Wiring

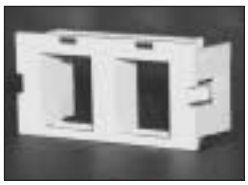
Activate™ Series Front-Loading Inserts

- Modular inserts for voice, data, audio and video applications
- Front-load, snap-in design
- Color and texture matched to Wiremold Systems
- Available Category 3, 5e, 6, as well as 6-position USOC
- Universal T568A/B wiring format

For detailed product selection refer to the Pass & Seymour Network Wiring Catalog or visit www.passandseymour.com.

ORT
P&S
OPEN

Open Connectivity Solutions



Wiremold Open System Communications Modules

- Accommodate a wide range of manufacturers' communications outlets including keystone jacks, as well as proprietary solutions from Avaya (Systimax) and NORDX
- Modules insert into a wide range of Wiremold Systems
- Pre-punched faceplates accept common communication devices

NOTE: For more information on integrating connectivity into Wiremold Cable Management Systems contact the Wiremold Applications Engineering Team or your local Wiremold Sales Representative.

WIREMOLD

legrand®

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