WIREMOLD

legrand®

AnySize™ Raceway

AnySize Multi-Compartment Surface Metal Raceway

Communications

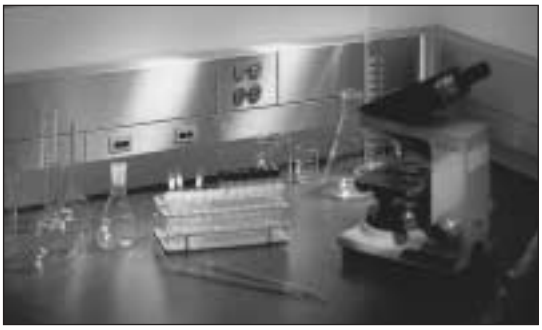
Now you can precisely size surface raceway to meet your wiring capacity needs. Simply choose the material and finish you would like, then specify the precise width and depth you need.

AnySize Raceway is an ideal solution for applications that require a specific raceway size, with a variety of compartment sizes and finishes for use in commercial office applications, educational facilities, and any other situation where a surface mounted raceway is the preferred method of providing electrical and data communication service.

AnySize Raceway installed in a restored art gallery.

Features & Benefits

- **Choice of material.** AnySize Raceway can be manufactured from painted steel, stainless steel, anodized aluminum, or painted aluminum.
- **Multi-compartment metal raceway.** Available with one to four compartments; dividers placed according to requirements. For applications where multiple services are being utilized.
- **Dual cover option.** Available with two separate covers on a common base. Allows access to communications cables without the need for disabling power.
- **Wide range of sizes.** Sizes ranging from 2 1/2" to 10" [64mm to 254mm] wide and 1" to 5" [25mm to 127mm] deep.
- **Powder-coat finish.** Select from a broad range of colors. Powder-coat provides a durable scratch resistant finish.
- **Large capacity compartments.** Ideal for overhead, open space and raised floor applications as a header or feeder.
- **Raised device plates.** Maintain cable fill and recommended bend radius at activations.
- **FiberReady™ 2" [51mm] fiber optic/cat 5 radius fittings.** All fittings are available with 2" [51mm] radiused corners to maintain recommended minimum bend radii to provide cable protection in both lay-in and pull-through cable installations. Fill capacity is maintained throughout the system by using FiberReady fittings.
- **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.
- **Optional extra security.** Tamper resistant system for applications where preventing access is critical.
- **Narrow raceway can be activated.** Special fittings allow devices to be installed offset from the raceway.
- **Improved aesthetics.** Device plates are designed to overlap adjacent covers.



Anysize Raceway comes in a wide variety of finishes, each ideal for different environments, such as this stainless steel system in a lab.

Ideal for high density applications, the tamper-resistant covers make Anysize Raceway a perfect solution for schools.

AnySize Raceway

Base and Cover:

Where special lengths are required, provide a detailed bill of material, indicating the various quantities, lengths and type of covers. Raceway must have a width greater than its depth.

AnySize Base

N ☐ ☐☐☐ ☐☐☐ ☐ ☐ ☐☐

Material
1 Painted Steel
2 Unpainted Satin Coat
3 Unpainted Galv (G90)
4 Stainless Steel
5 Anodized Alum
6 Painted Alum

Width

2 1/2"	[64mm]	= 212
2 5/8"	[67mm]	= 258
2 3/4"	[70mm]	= 234
2 7/8"	[73mm]	= 278
3"	[76mm]	= 300
•		
•		
•		
10"	[254mm]	= 999

Depth

1"	[25mm]	= 100
1 1/8"	[29mm]	= 118
1 1/4"	[32mm]	= 114
1 3/8"	[35mm]	= 138
1 1/2"	[38mm]	= 112
•		
•		
•		
5"	[127mm]	= 500

# of Compartments MAX 4

# of Covers

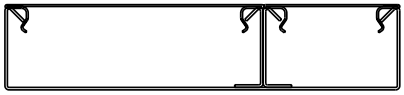
Color Code
BK Gloss Black
WH White
GY Gray
IV Ivory
WI Weathered Iron
WB Weathered Bronze
CC Custom Color (Provide paint chip or number)

EXAMPLE 1: N1 834 212 3 2 WI

This is a 8 3/4" [222mm] wide by 2 1/2" [64mm] deep raceway, with three compartments and two covers, painted "Weathered Iron."

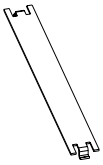
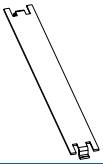
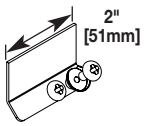
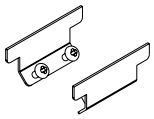
EXAMPLE 2: N1 612 300 2 2 IV

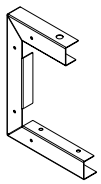
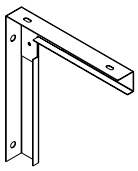
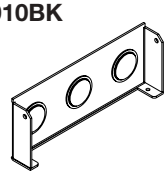
This is a 6 1/2" [165mm] wide by 3" [76mm] deep raceway, with two compartments and two covers, painted ivory.



Cover: NE1C = Standard Cover
NE1CW = Cover for use when wire clips are used. Wire clips are spaced 30" [762mm] on center only.
NE1CT* = Tamper resistant cover
NE1CTW* = Tamper resistant cover for use when wire clips are used. Wire clips are spaced 30" [762mm] on center only.
**Supplied with one tamper resistant bracket.*

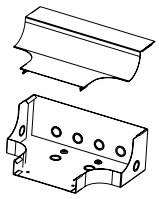
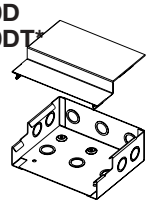
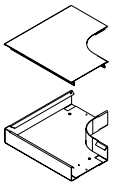
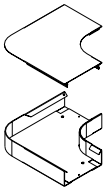
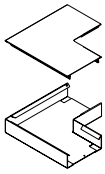
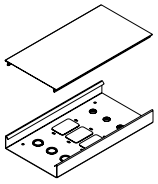
AnySize Raceway Fittings

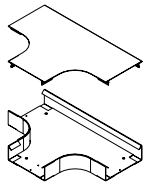
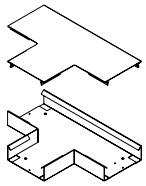
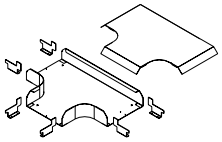
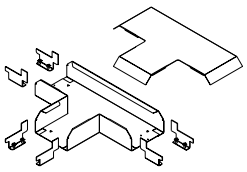
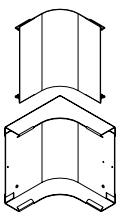
Catalog No./Item	Description/Specifications
NE1000TB 	**Tamper Resistant Retaining Bracket** – For retaining cover in tamper resistant systems. Order additional brackets if field cutting cover for enhanced tamper resistant system.
NE1000WC 	**Wire Clip** – For holding conductors in place.
NE1000GC 	**Ground Clamp** – For connection of equipment grounding conductor to provide additional ground to raceway.
NE1001 	**Coupling** – For joining lengths of AnySize Raceway. (Unpainted Galvanized Steel).

Catalog No./Item	Description/Specifications
NE1008A 	**C-Hanger** – For supporting raceway from structural ceiling. Designed for use with 3/8" [9.5mm] threaded rod. Hangers should be installed no more than 5' [1.5m] apart along raceway run.
NE1008AW 	**Wall Bracket Hanger** – For supporting raceway from structural wall. Use hardware capable of supporting loaded raceway. Hangers should be installed no more than 5' [1.5m] apart along raceway run.
NE1010B **NE1010BK** 	**Blank End Fitting** – For closing open end of AnySize Base. NE1010BK has knockouts available for connection to adjacent wiring systems. Size and quantity of knockouts to be specified by end user.

NOTE: *All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers are omitted from above drawings for clarity.*

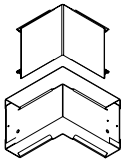
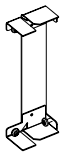
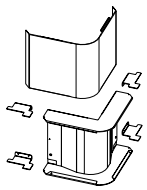
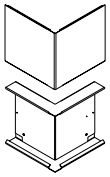
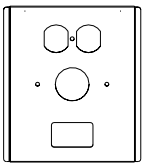
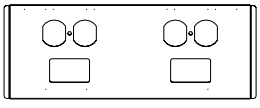
AnySize Raceway Fittings

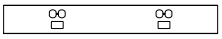
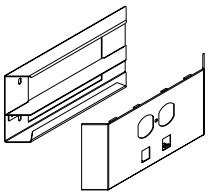
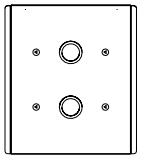
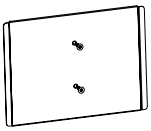
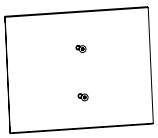
Catalog No./Item	Description/Specifications
NE1010DFO **NE1010DFOT*** 	**FiberReady 2" [51mm] Radius Large Capacity Entrance End Fitting** – Has concentric conduit trade size KOs on sides, end, and bottom for feeding raceway. Useful where large conduits feed the raceway. Size of knockouts to be specified by end user. ***(If using in tamper resistant system, this item has tamper resistant screws in cover.)***
NE1010D **NE1010DT*** 	**Entrance End Fitting** – Has concentric conduit trade size KOs on sides, ends, and bottom for feeding raceway. Size of knockouts to be specified by end user. ***(If using in tamper resistant system, this item has tamper resistant screws in cover.)***
NE1011FO **NE1011FOT*** 	**FiberReady 2" [51mm] Radius Full Capacity Flat Elbow** – Used in divided and undivided applications to provide a 2" [51mm] cable bend radius for new lay-in or pull-through installations.
NE1011RFO **NE1011RFOT*** 	**FiberReady 2" [51mm] Radius Full Capacity Flat Elbow** – Same as NE1011FO except outside corner is curved to a 2" [51mm] radius.
NE1011 **NE1011T*** 	**Flat Elbow** – For right angle turns on the same surface.
NE1014 **NE1014T*** 	**Wall Box Connector** – Base is provided with ground terminal for 10-32 screw and user specified conduit knockouts and/or wall box rectangular knockouts 2 9/16" x 1 11/16" [65mm x 43mm].

Catalog No./Item	Description/Specifications
NE1015FO **NE1015FOT*** 	**FiberReady 2" [51mm] Radius Full Capacity Tee Fitting** – Provides a 2" [51mm] cable bend radius for new lay-in or pull-through installations. Dual cover version not available. Single cover can be used in all applications. Capacity is reduced in multi-compartment applications.
NE1015 **NE1015T*** 	**Tee** – For branches at right angles. Dual cover version not available. Single cover can be used in all applications. Capacity is reduced in multi-compartment applications.
NE1015LFO **NE1015LFOT*** 	**FiberReady 2" [51mm] Radius Large Capacity Tee Fitting** – Provides a 2" [51mm] cable bend radius for new lay-in or pull-through installations. Deeper fitting provides 50% more fill than the standard tee fitting. Useful for multi-compartment installations. Supplied with special couplings. Dual cover version not available. Single cover can be used in all applications. ***(If using in tamper resistant system, this item has tamper resistant screws in cover.)***
NE1015L **NE1015LT*** 	**Tee** – For branches at right angles. Deeper fitting provides 50% more fill than the standard tee fitting. Useful for multi-compartment installations. Supplied with special couplings. Dual cover version not available. Single cover can be used in all applications. ***(If using in tamper resistant system, this item has tamper resistant screws in cover.)***
NE1017FO **NE1017FOT*** 	**FiberReady 2" [51mm] Radius Full Capacity Internal Elbow** – Provides a 2" [51mm] cable bend radius for new lay-in or pull-through installations.

NOTE: *All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers omitted from above drawings for clarity.*
"T" at the end of a part number indicates it is for use in a tamper resistant system.
** Supplied with necessary tamper resistant bracket(s).*

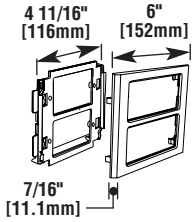
AnySize Raceway Fittings

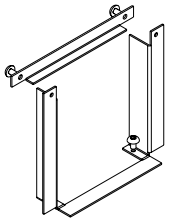
Catalog No./Item	Description/Specifications
NE1017 **NE1017T*** 	**Internal Elbow** – For 90° internal corners.
NE1017P **NE1017PT*** ***(compact size)*** 	**Internal Elbow** – For 90° internal corners. Useful when going around columns.
NE1018FO **NE1018FOT*** 	**FiberReady 2" [51mm] Radius Full Capacity External Elbow** – A full capacity 90° external elbow to provide a 2" [51mm] cable bend radius for new lay-in or pull-through installations. Supplied with special couplings. ***(If using in tamper resistant systems, this item has tamper resistant screws in cover.)***
NE1018 **NE1018T*** 	**External Elbow** – For 90° external corners.
NE1046 **NE1046T*** 	**6" [152mm] Device Plate** – Provides 1/4" [6.4mm] overlap flange for improved aesthetics at cover edge. Supplied with appropriate brackets. ORT P&S OPEN ***(3 compartment plate shown)***
NE1046-2 **NE1046-2T*** 	**12" [305mm] Device Plate** – Allows high density activations. Provides 1/4" [6.4mm] overlap flange for improved aesthetics at cover edge. Supplied with appropriate brackets. ORT P&S OPEN ***(2 compartment plate shown)***

Catalog No./Item	Description/Specifications
NE1047 **NE1047WC** **NE1047T*** **NE1047WCT*** 	**Device Cover –** Variable length from 6" to 60" [152mm to 1.5m] long. Specify cutout type and location. Eliminates frequent seams when devices are located close together along the raceway. Supplied with appropriate brackets. ORT P&S OPEN
NE1407 **NE1407T*** 	**Deep Device Plate –** Used to minimize or eliminate fill reduction at activations. Mounts on top of raceway and helps maintain recommended bend radii at activation. Specify depth required between 3/4" [19.2mm] and 3" [76mm]. Supplied with appropriate brackets. ***(If using in tamper resistant system, this item has tamper resistant screw in cover.)*** ORT P&S OPEN
NE1046H **NE1046HT*** 	**Tap-Off Fitting –** Provided with knockouts. Trade size to be specified. Supplied with appropriate brackets. ***(If using in tamper resistant system, this item has tamper resistant screw in cover.)***
NE1046AP* 	**Tamper Resistant Access Plate** – Required on an entrance point for cover removal on tamper resistant systems. One plate is required on every run between opposing walls. Provides 1/4" [6.4mm] overlap flange for improved aesthetics at cover edge. Supplied with appropriate brackets.
NE1046APN* 	**Tamper Resistant Access Plate –** Required on an entrance point for cover removal on tamper resistant systems. One plate is required on every run between opposing walls. NE1046APN does not have a flange to overlap adjacent covers. Use for access at end of run.

NOTE: *All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers are omitted from above drawings for clarity.*
"T" at end of part number indicates for use in tamper resistant system.
** Supplied with necessary tamper resistant bracket(s).*

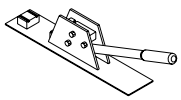
AnySize Raceway Fittings (continued)

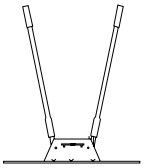
Catalog No./Item	Description/Specifications
V4050** **G4050**** 	**Device Mounting Bracket** – High impact plastic mounting bracket and trim plate which overlap raceway cover providing a seamless transition. ORT P&S OPEN For use with: • 5507 Series Faceplates • Ortronics TracJack & Series II Modules • Pass & Seymour Activate Series Inserts • Wiremold Open System Communication Modules. ***(only suitable for 4 3/4" [121mm] wide raceway)***

Catalog No./Item	Description/Specifications
NE1086A 	**Panel Connector** – To connect AnySize with surface type panel boxes. Accommodates maximum wire capacity of AnySize System used. Separate C-shaped flange fits around raceway, covering any irregularities made when cutting into box.

NOTE: *All fittings, accessories, and activation plates are designed to be dimensionally consistent with the base and are designed from the information provided in the raceway base part number. Dividers are omitted from above drawings for clarity.*
"T" at end of part number indicates for use in tamper resistant system.
** Supplied with necessary tamper resistant bracket(s).*

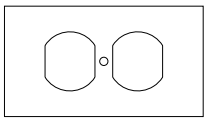
AnySize Raceway Tools

Catalog No./Item	Description/Specifications
NE610 	**Tamper Resistant Notch Tool –** Required to create tamper resistant notches in raceway covers that are field cut during installation.

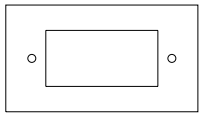
Catalog No./Item	Description/Specifications
NE610C 	**Cover Cutter –** Portable Cutter for AnySize Raceway Covers for clean and easy square cuts every time.

Standard Cutouts

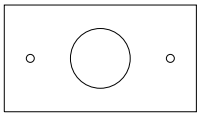
The following represent various cutouts available for AnySize Raceway. The corresponding letter designations used to create the device plate part number are also shown.



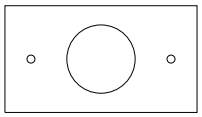
Standard Duplex (D)



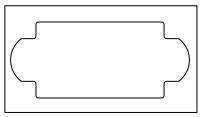
Decorator Duplex (R)



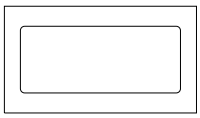
1.4" [35.56mm] Dia. Single (A)



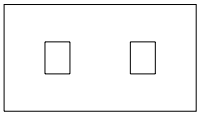
1.6" [40.64mm] Dia. Single (J)



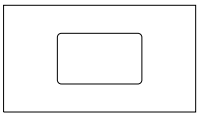
4007C-1R Cutout * (CIR)



4007C-1 Cutout * (C1)

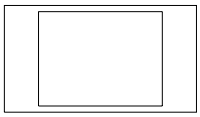


2 RJ11/45 (RJ)



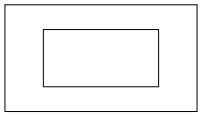
ORT
P&S
OPEN

Accommodates: Wiremold Open System communications, Ortronics TracJack & Series II (LV2)



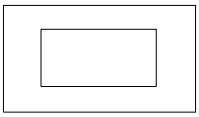
ORT
P&S
OPEN

Accommodates Wiremold Open System communications, Ortronics TracJack & Series II (LV6)

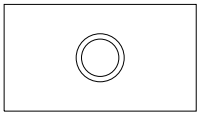


ORT
P&S
OPEN

Accommodates Wiremold Open System communications (MFB)



Amp Flex/single ACO (F)



1/2" – 3/4" [12.7mm – 19.1mm] KO & Grommet (K)

**These openings also require the use of commercially available faceplates.*

Device Plate Design and Part Numbers

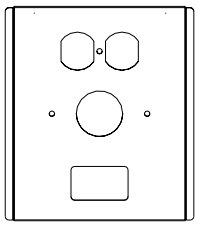
1
2
3
4

To specify type of device plate and cutout locations:

1) Indicate the catalog number from page 4 to specify device plate type.
2) Add the suffix(es) (in parentheses above) that corresponds to the cutout type required, beginning from the top compartment. For 12" [305mm] device plates, indicate if the second column of cutouts is the same as the first. If it is not, please send sketch. For NE1047 Covers sketch to indicate quantity and spacing of devices. For other special cutouts, contact factory.

Sample Part Number: Prefix	1	2	3	4	2nd col. (yes/no or N/A)
NE1046	D	J	LV2	_____	N/A

Sample Plate: NE1046DJLV2



AnySize Raceway Wire Fill Capacities for Power & Communications

CABLE/WIRE TYPE	CATEGORY/WIRE SIZE	O.D. Inches	O.D. [mm]	20% FILL (per sq. in.)	40% FILL (per sq. in.)
POWER WIRING (THHN/THWN)	6 AWG	0.257	[6.5]	—	7.71
	8 AWG	0.218	[5.5]	—	10.72
	10 AWG	0.153	[3.9]	—	21.76
	12 AWG	0.122	[3.1]	—	34.22
	14 AWG	0.105	[2.7]	—	46.19
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat. 5 UTP	0.220	[5.6]	5.26	10.52
	4-pair, 24 AWG Cat. 3 UTP	0.190	[4.8]	7.05	14.11
TELEPHONE	2-pair, 24 AWG	0.140	[3.5]	12.99	25.98
	3-pair, 24 AWG	0.150	[3.8]	11.32	22.64
	4-pair, 24 AWG	0.190	[4.8]	7.05	14.1
	25-pair, 24 AWG	0.410	[10.3]	1.51	3.03
COAXIAL CABLES	RG58/U	0.195	[4.7]	6.70	13.39
	RG59/U	0.242	[6.1]	4.35	8.70
	RG62/U	0.242	[6.1]	4.35	8.70
	RG6/U	0.270	[6.8]	3.49	6.99
TWINAXIAL	100 Ohm	0.330	[8.4]	2.34	4.68
SHIELDED TWISTED PAIR	TYPE 1	0.390	[9.6]	1.67	3.35
	TYPE 2	0.465	[11.8]	1.18	2.36
	TYPE 3	0.275	[6.9]	4.24	8.48
FIBER OPTIC	Two Strand (Duplex) Multimode 62.5/125µm	0.190	[4.8]	7.05	14.11

NOTE: *Values are per square inch of inside area. See above to determine useful area of compartment. Capacity range is calculated at 20% to 40% of raceway area as stated in a proposed revision to the Commercial Building Standard for Telecommunications Pathways & Spaces, TIA/EIA-569. For power applications, consult the NEC/CSC for other rules related to conductor quantities.*

Wire Fill Calculation: "Depth" and "Width" refer to the measurements of the compartment with the cover on and are measured from the outside of the material. All measurements are in inches. Due to loading issues, use maximum wire fill of 4" [102mm] deep raceway for all raceways greater than 4" [102mm] deep.

1. Determine useable area of compartment.
   Useable area in square inches with no devices = [Width x (Depth -0.2)] - 0.6
   Useable area in square inches with standard 15A/20A devices = [Width x (Depth -0.7)] - 0.3
2. Determine wire fill for compartment.
   Multiply the compartment area (from Step 1) by the number of wires per square inch, from the chart above
   Wire Fill = Area (sq. in.) x No. Wires per sq. in. (Chart above)
3. Reduce fill by 20% if 2" [51mm] radiused fittings are not being used.
   Wire Fill for standard fittings = .8 x wire fill from Step 2
4. Calculate fill for multi-compartment tees.
   a) Standard Tee Wire Fill = (Wire fill from Step 2 or 3) / 2
      Standard Full Capacity Tee Wire Fill = (Wire fill from Step 2 or 3) x 0.75
   b) FiberReady 2" Tee Wire Fill = (Wire fill from Step 2 or 3) / (No. of compartments)
      FiberReady 2" Full Capacity Tee Wire Fill = 1.5 x (Wire fill from Step 2 or 3) / (No. of compartments)

Sample Wire Fill Calculation: Determine the number of Cat. 5 cables that will fit in a 2" [51mm] deep by 2.75" [70mm] wide compartment fro 20% fill. Fittings in the system have a 2" [51mm] radius.

1) Useful area = 2.75 x (2.0 - 0.2) -0.6 = 4.35 in^2

2) Wire Fill = 4.35 in^2 x 5.26 cables / in^2 (from chart) = 22 Cat. 5 cables

All Wiremold electrical products, unless specifically noted, are listed by Underwriters Laboratories Inc. and conform to U.S. Federal Specification W-C-582. They comply with the National Electrical Code. Products designed primarily for use in telephone or communications wiring and tools normally do not require UL or cUL Listing. Most products are cUL Listed in compliance with the Canadian Electrical Code. All products must be installed in a manner consistent with applicable electrical codes. Wiremold Surface Raceway is UL and cUL Listed by Underwriters Laboratories, Inc. (File #E4376 [Raceway] & #E41751 [Fittings]). This product is in compliance with the National Electrical Code and the Canadian Electrical Code.

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 | P&S | OPEN

ORT | P&S | OPEN

ORT | P&S | 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

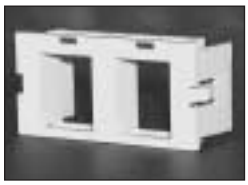
Activate™ Series Front-Loading Inserts

- 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 (Lucent) 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®

Wiremold Company / Legrand
U.S. and International:
60 Woodlawn Street • West Hartford, CT 06110
1-800-621-0049 • FAX 860-232-2062 • Outside U.S. 860-233-6251
Canada:
570 Applewood Crescent • Vaughan, Ontario L4K 4B4
1-800-723-5175 • FAX 905-738-9721

ED821R3 - Updated January 2005 - For latest specs visit www.wiremold.com