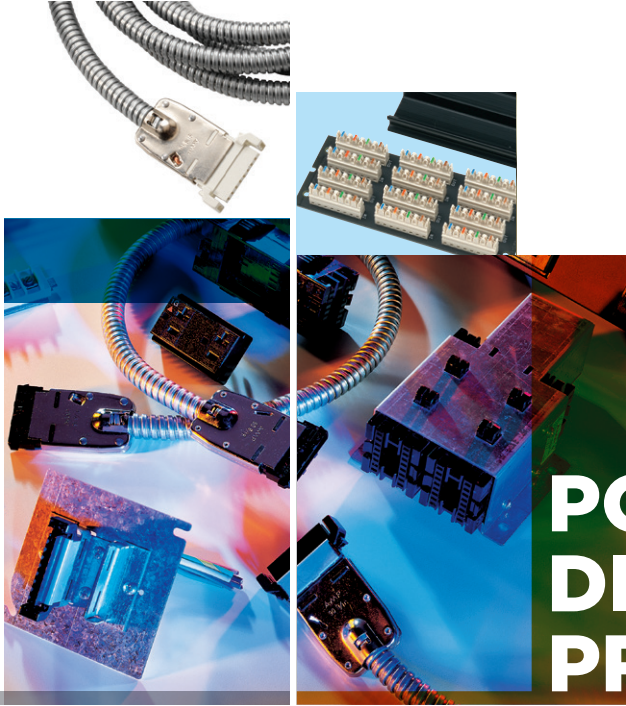




POWER DISTRIBUTION PRODUCTS

Undercarpet Cabling and Modular Power Distribution Catalog

TE CONNECTIVITY ENTERPRISE NETWORKS WARRANTY

POWER DISTRIBUTION PRODUCT COVERAGE*

TE Connectivity warrants that all Undercarpet cabling system products within this catalog will be delivered free from defects in material and workmanship. TE Connectivity will repair or replace the product when*:

UNDERCARPET POWER CABLING SYSTEM WARRANTY:

90-day for the Undercarpet power components, providing they are installed per the applicable instruction sheet and the overall system is installed in accordance with the TE AMP NETCONNECT Undercarpet Cabling Planning and Installation Manual.

UNDERCARPET COMMUNICATIONS CABLING SYSTEM WARRANTY

25 years system performance provided the Undercarpet communications cabling system is installed by a TE Connectivity authorized Network Design & Installation (ND&I) contractor or a 25 year component warranty if installed by a TE AMP NETCONNECT registered contractor.

WHO'S COVERED

Unlike most systems suppliers, TE provides warranty coverage directly to the end user. Many suppliers provide coverage to the installers, who then provide coverage to the customer. But with TE warranties, there are no middlemen. The warranties are between you and TE Connectivity.

For more information, please visit: www.te.com/aboutus/pdf/tc.pdf

Or call: 1-800-553-0938

Outside the U.S., please contact your local TE product sales office.

PEOPLE & PRODUCTS TO ANSWER THE CABLING CHALLENGE.

Network communications infrastructure implementations are complicated regardless of the business you're in. You need the right resources, products and services to achieve the high performance, flexible environment your business and end users demand.

At TE Connectivity, we offer custom network infrastructure cabling products and solutions that can help you now and for years to come. Our in-depth technical expertise combined with our more than 70 years in the industry has made us the leading provider of premise cabling solutions. TE has one of the most diverse and complete product sets for a wide range of network needs including power, data, voice, video, IP and more.

More than just the technology you need, TE helps ensure the solutions are effectively and efficiently installed by working with our distributors and customers in a hands-on design process. You get the solutions you need when and where you need them and have them installed through our network of certified installation contractors.

Optimize your network performance, increase productivity and benefit from a more immediate return on your infrastructure investment with TE Enterprise Networks solutions that are engineered smarter, faster and better.

**Some conditions may apply. Contact TE customer service for more information at 800-553-0938.*

UNDERCARPET CABLING

Undercarpet Power, Voice and Data Distribution

The AMP NETCONNECT undercarpet cabling system is a low profile, flexible system that makes even the most complex cabling job in office, retail, or gaming environments simple, economical and beautifully invisible. The cabling to provide power, voice and data services to your equipment can be handled with ease - from desk lights to network connections. And it's interchangeable! If changes are required after the initial installation, don't worry about the cabling. You can change it to fit your new requirements just about as easily as you move the furniture or retail display fixtures.

Take up a few sections of carpet squares, change the routing of the undercarpet cables and relocate the floor fittings. Presto! You're back in business. With this system, all your power, voice and data networks can be routed virtually anywhere under the carpet without the restrictions encountered with under-floor ducts, walls, partitions and power/data poles.

Facts

- Ideal for retail, gaming or office applications
- Economical alternative to power poles or trenching
- Eliminates the need to disturb or access adjacent stores in shopping locations to gain access to pull cables
- Provides better control of quality and work schedule
- UL Listed and CSA Certified
- Approved for use per NEC Article 324 and CEC Article 12-800
- Power available in 3 and 5 circuit design
- Isolated ground circuit cable and components available
- Category 5e and 6 cable to support voice/data applications
- Designed for use with carpet squares for accessibility to make system changes easy as requirements change
- Pre-packaged kits available for "store-in-a-box" concept
- Components design provides simple termination from undercarpet cable to round wire
- Suitable for use in slab-on-grade, first floor areas
- Use in open lobby, customer reception, or other areas where traditional cabling methods

AMPINNERGY MODULAR POWER DISTRIBUTION SYSTEM.

The AMPINNERGY modular power distribution system can be used to deliver power to workstations in raised floor installations through modular office systems furniture panels, retail store display fixtures, gaming fixtures and other methods as allowed by the NEC, CEC and local electrical codes.

The modular wiring system is available in 5-wire/3-circuit, 8-wire/4-circuit shared neutral, and 8-wire/3-circuit dedicated neutral versions. The 5 and 8-wire versions have a 5.29 mm² [10 AWG] conductor (neutral) to accommodate higher currents due to third-order harmonics present with some installations. The 8-wire shared neutral configuration has a separate 3.32 mm² [12 AWG] neutral and isolated ground for the fourth circuit to allow an isolated, dedicated circuit for equipment sensitive to power line noise.

PEOPLE & PRODUCTS TO ANSWER THE CABLING CHALLENGE.

Cabling a retail store, casino or office building can be complex. Yet the solution for productive connectivity and cable management can be as simple as talking to the right people - The AMP NETCONNECT business unit of TE Connectivity.

The reason is what we bring to the building infrastructure challenges you face. In-depth technical knowledge and expertise from decades of experience. Innovative technologies from ongoing R&D. And quality products for every power, data, voice and video networking need. One of the broadest lines in the industry, in fact.

Additionally, it's what we do to answer the challenge: develop and deliver integrated, made-to-order solutions that optimize network performance, increase productivity and produce more immediate return-on-investment.

And it's not just providing technology. It's making sure solutions are efficiently and effectively installed: working with distributors and customers so products are delivered when and where you need them. And maintaining a global network of certified installation contractors.

It all means, simply, that AMP NETCONNECT cabling systems provide the answers you're looking for: the whole solution for any cabling challenge. From the ground up.

*Some conditions may apply. AMP NETCONNECT Home Net-Works Systems qualify for a 25 year component warranty only. For more information, please visit www.ampnetconnect.com or call 1-800-553-0938. Outside the U.S., please contact your local AMP NETCONNECT product sales office.

Modular Power Distribution Facts

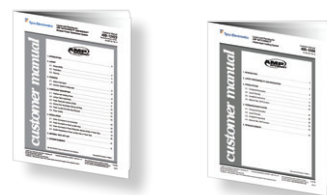
- AMPINNERGY System is rated 20 Amps per circuit, 125/250 VAC
- UL Listed
- UL 183, File: E132626
- UL Recognized Component
 - UL 498, File: E146448
 - UL 1286, File: E101904
- CSA Certified, File: 7189
 - CSA 22.2 number 203
 - CSA 22.2 number 203.1
 - CSA 22.2 number 42 Complies with
- NEC 2013 § 604
- NEC 2013 § 605
- NEC 2013 § 300.22(c)
- CEC 2015 § 12-2500
- CEC 2015 § 12-010
- System and components are available in a modular, shared neutral 5-wire/3 circuit, 8 wire/4 circuit, and dedicated neutral, 8-wire/3 circuit design
- Isolated ground circuit available in 8 wire configurations
- All components are plug and play system compatible
- All components are polarized and keyed to facilitate proper connection of components
- Multi-circuit power strips available in 3 or 4 circuit configuration
- Zone Distribution Modules available in up to 12 circuit configuration
- Layout and planning manual available for your CAD designer
- Contact AMP NETCONNECT Business Unit for construction specifications written in Construction Specifications Institute (CSI) or Construction Specifications Canada (CSC)

Undercapet Cabling Facts

- Ideal for retail, gaming or office applications
- Economical alternative to power poles or trenching
- Eliminates the need to disturb or access adjacent stores in shopping locations to gain access to pull cables
- Provides better control of quality and work schedule
- UL Listed and CSA Certified Approved for use per NEC Article 324 and CEC Article 12-800
- Power available in 3 and 5 circuit design
- Isolated ground circuit cable and components available
- Category 5e and 6 cable to support voice/data applications
- Designed for use with carpet squares for accessibility to make system changes easy as requirements change
- Pre-packaged kits available for “store-in-a-box” concept
- Components design provides simple termination from undercarpet cable to round wire
- Suitable for use in slab-on-grade, first floor areas
- Use in open lobby, customer reception, or other areas where traditional cabling methods won’t reach

Layout and Planning Manuals

- Everything you need to know to make your installation a success
- Example layouts, usage diagrams, interconnection instructions and more
- Get a free, downloadable copy today by visiting: www.te.com/power



ORDERING INFORMATION

Description	Document Number
AMPINNERGY Modular Power Distribution System, Layout and Planning Manual	409-12423
Undercarpet Cabling System, Layout and Planning Manual	409-5566
Undercarpet Cabling Installation video	1773443-5

Contents

Layout and Planning Manuals	IV
-----------------------------------	----

Undercarpet Cabling

Transition Boxes and Covers.....	02
Power Transition Block	02
Power Whip Kits.....	03
Floor Preparation	03
Top Shield	04
Undercarpet Power Cable	04
Direct Connecting Receptacle (DCR) Kits	05
Circuit Adapters for 5-Conductor DCR Kits	06
Power Cable Installation Tools and Accessories	07
Communications Transition Boxes and Covers	08
Communications Transition Blocks.....	08
Punch-down tools.....	09
Undercarpet Communications Cable	09
Communications Cable Notching Tool	09
Low Profile Communications Floor Fittings.....	10
Low Profile Multimedia Floor Fitting.....	10
Modular Jack Kits and Accessories.....	11
Surface Mount Floor Cover Kit	11
Flush Floor Outlet Box Kits.....	12
Conference Room Kits	13

Modular Power Distribution

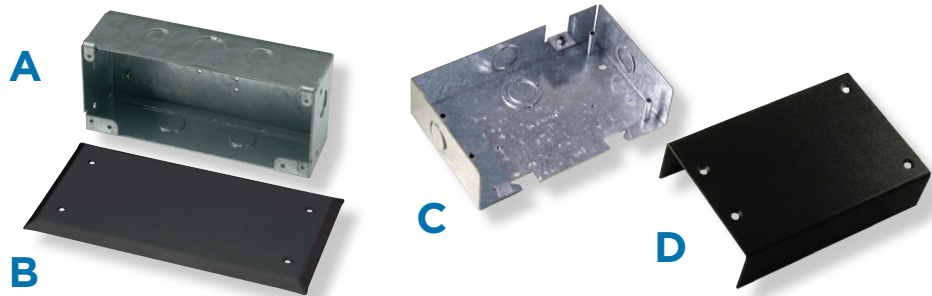
AMPINNERGY Line Entry Cable Assemblies.....	14
AMPINNERGY Power Entry Cable Assemblies.....	15
AMPINNERGY Power Entry Cable Assemblies.....	16
AMPINNERGY Power Transition Units	17
AMPINNERGY Zone Power Distribution Kit	17
AMPINNERGY Power-to-Power Cable Assemblies.....	18
AMPINNERGY Power-to-Line Cable Assemblies.....	19
AMPINNERGY Power Distribution Modules (PDMs)	20
AMPINNERGY Modular Duplex Receptacles.....	21
AMPINNERGY Junction Boxes.....	22
AMPINNERGY Mounting Brackets.....	24
AMPINNERGY Keyhole Mount, Modular Receptacle, Power Strips.....	25
AMPINNERGY Single Receptacle, Power Strips	25
AMPINNERGY Wire Mesh Rack Mount, Modular Receptacle, Power Strips.....	26

Undercarpet Cabling

Transition Boxes and Covers

FEATURES

- Holds transition block used to transition from round cable to undercarpet power cable
- Power transition block must be ordered separately
- Transition boxes and covers can be ordered separately or as a kit
- Transition boxes may be used with communications transition blocks



ORDERING INFORMATION

Mounting	Component	Figure	Color	Part Numbers
Flush, Wall Mounting	Box	A	-	554805-1
	Cover	B	Black	1-553292-1
			Gray	1-553292-3
			Black	1375045-1
	Kit (Includes Box and Cover)		Gray	1375045-3
Surface, Wall Mounting	Box	C	-	1375033-1
	Cover	D	Black	1375034-1
			Gray	1375034-3
			Black	1375032-1
	Kit (Includes Box and Cover)		Gray	1375032-3

Power Transition Block

FEATURES

- Used to transition from round cable to 3 or 5-conductor undercarpet power cable



ORDERING INFORMATION

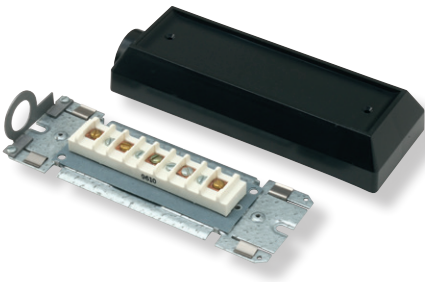
Description	Part Number
Power Transition Block	554862-1

Undercarpet Cabling

Power Whip Kits

FEATURES

- Used to transition from 3 or 5-conductor undercarpet to standard, round power cable at locations away from walls
- Includes power transition block
- Accepts AMPINNERGY power entry or line entry cable assemblies for easy interface between systems
- Accepts 0.5 in [12.7mm] fitting for conduit



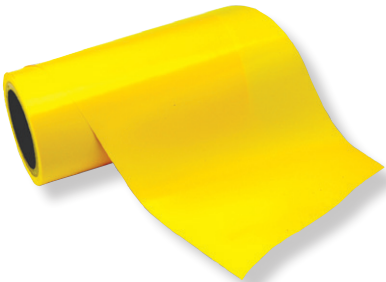
ORDERING INFORMATION

Description	Color	Part Number
Power Whip Kit	Black	554181-1
	Gray	554181-3

Floor Preparation

FEATURES

- Yellow vinyl floor preparation
- Used with both 3 and 5-conductor undercarpet power cable
- Required for slab-on-grade installations
- Recommended for all installations
- Provides smooth, even surface for installation



ORDERING INFORMATION

Description	Width	Length on Roll	Part Number
Floor Preparation	8 in [203.2 mm]	50 ft [15.25 m]	554123-3
		100 ft [30.48 m]	554123-4
		250 ft [76.20 m]	554123-1

Undercarpet Cabling

Top Shield

FEATURES

- Made of stainless steel
- Used with both 3 and 5-conductor undercarpet power cable
- Fully grounded component covering the entire system
- Protects the cable against penetration hazards
- Bonding clips are required to join two pieces of top shield together; bonding clips are sold separately (see page 5)



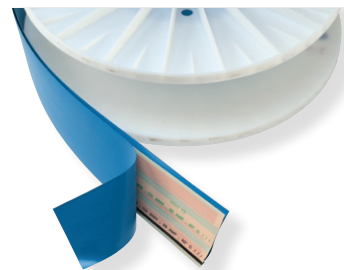
ORDERING INFORMATION

Description	Width	Length on Roll	Part Number
Top Shield	6.62 in [168.15 mm]	50 ft [15.25 m]	553536-3
		100 ft [30.48 m]	553536-4
		250 ft [76.20 m]	553536-1

Undercarpet Power Cable

FEATURES

- Available in 3 and 5-conductor versions
- Also available in 10 AWG [5.29 mm²]
- Undercarpet cable with isolated ground is for use with sensitive computer equipment
- UL Listed, File Number: E73212



ORDERING INFORMATION

Ground	Conductor Size	Number of Conductors	Conductor Colors	Width inches [millimeters]	Part Number		
					50 ft [15.25 m]	100 ft [30.48 m]	250 ft [76.20 m]
Standard	12 AWG [3.32 mm ²]	3	White, Green, Black	2.77 [70.36]	3-553079-3	3-553079-4	3-553079-1
		5	White, Green, Black, Blue, Red	4.62 [117.35]	3-553239-3	3-553239-4	3-553239-1
Isolated	12 AWG [3.32 mm ²]	5	White, Green, Black, Red, Green/Yellow	4.62 [117.35]	3-553820-3	3-553820-4	3-553820-1

Direct Connecting Receptacle (DCR) Kits

FEATURES

- Available in 3 and 5-conductor versions
- Rated at 125 VAC, 20 A
- 5-Conductor DCR Kits require a circuit adapter to select which circuit the DCR will be used on



ORDERING INFORMATION

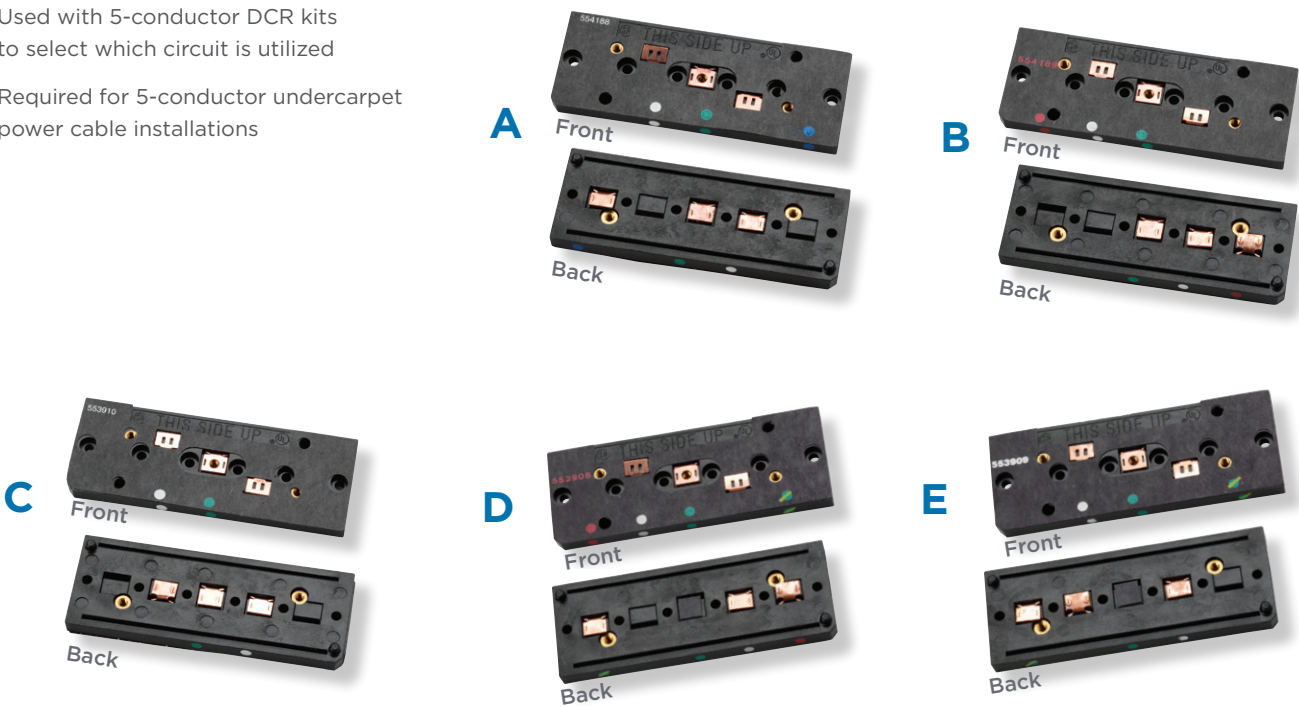
Description	Height	Duplex Receptacles	Figure	Color	Part Numbers
DCR Kit For Use With 3-Conductor Undercarpet Power Cable	1 in [25.4 mm]	Single	A	Black	553947-1
				Gray	553947-3
		Double	B	Black	554192-1
				Gray	554192-3
DCR Kit For Use With 5-Conductor Undercarpet Power Cable	1.39 in [35.3 mm]	Single, with Dual Voice/ Data Knockouts	C	Black	554142-1
				Gray	554142-3
		Single	D	Black	554186-1*
				Gray	554186-3*
DCR Kit For Use With 5-Conductor, Isolated Ground Undercarpet Power Cable	1.39 in [35.3 mm]	Single, Isolated Ground		Black	558650-1*
				Gray	558650-3*

*NOTE: 5-conductor DCR kits require circuit adapters (ordered separately).

Circuit Adapters for 5-Conductor DCR Kits

FEATURES

- Used with 5-conductor DCR kits to select which circuit is utilized
- Required for 5-conductor undercarpet power cable installations



ORDERING INFORMATION

Description	Ground System	Circuit Selected	Figure	Part Numbers
5-Conductor Circuit Adapter	Standard	Blue	A	554188-1
		Red	B	554189-1
		Black	C	553910-1
	Isolated Ground	Red	D	553908-1
		Black	E	553909-1

Power Cable Installation Tools and Accessories

FEATURES

- Taps allow additional undercarpet power runs to be added to undercarpet power circuits (connects two sections of undercarpet power cable)
- Splices allow two sections of undercarpet power cable to be joined to extend lengths of undercarpet power cable
- Taps and splices require the following components:
 - Tap or splice (one per undercarpet power cable conductor)
 - Hand tool
 - Insulator kit
 - Top shield
 - Top shield bonding clip (minimum of two per tap or splice)
 - Hold down tape
- Tap/splice hand tool crimps taps and splices securely to undercarpet power cable
- DCR removal requires floor fitting patch kit
- Floor fitting patch kit includes:
 - Insulator kit
 - top shield
 - top shield bonding clip
 - Hold down tape
- Spray adhesive is used to help seal the installation against residual moisture
- Hold down tape is used to install cable and top shield
- For more information on the use of these products see instruction sheets 409-5566 or 408-3150



Description	Package Quantity	Figure	Part Numbers
Individual Tap	15	A	553455-2
Individual Splice	15	B	553454-1
Tap/Splice Hand Tool	1	C	91392-1
Top Shield Bonding Clip*	50	D	553534-1*
Stainless Steel Bonding Clip†	50		554178-1†
Insulator Kit	5	E	556411-1
Spray Adhesive	12		553453-2
	1	F	6-553453-2
Hold Down Tape, 180 ft [45.72 m]	1	G	553481-1
Floor Fitting Patch Kit	1	H	1479151-1

*NOTE: Top shield bonding clips (553534) are required for turns, taps and splices.

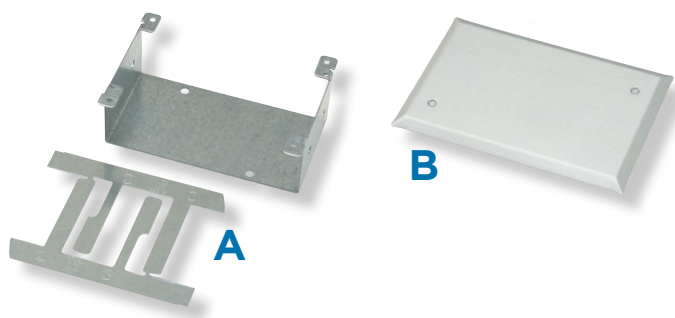
†NOTE: Stainless steel bonding clips (554178) can be used to replace lost DCR clips or for bonding top shield to transition boxes

Undercarpet Cabling

Communications Transition Boxes and Covers

FEATURES

- Holds transition block used to transition from round cable to undercarpet communications cable
- Communications transition block must be ordered separately
- Transition boxes and covers must be ordered separately
- Power transition boxes may be used in place of communications transition boxes if desired; see part numbers 1375045 and 1375034 (Note: covers are not interchangeable)



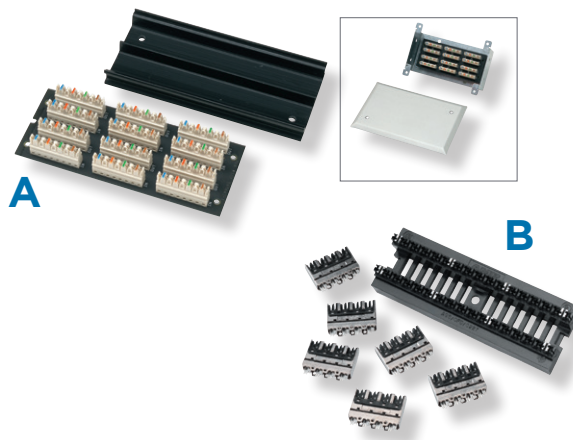
ORDERING INFORMATION

Description	Figure	Part Numbers
Flush Wall Frame	A	553739-2
Flush Wall Frame Cover	B	553095-1

Communications Transition Blocks

FEATURES

- Capitalize Transition
- Transition blocks meet or exceed all TIA/ISO requirements for Enhanced Category 5 (Cat5e)/Class D or Category 5/Class E channel performance
- Transitions up to six (6) 4-pair cables.
- Transition blocks may be terminated using standard 110-style punch-down tools (AMP NETCONNECT part number 1375308-1)



ORDERING INFORMATION

Description	TIA/EIA Category	Figure	Part Numbers
Universal Communications Transition Wiring Block	5e and 6	A	2111682-1

Undercarpet Cabling

Punch-down tools

FEATURES

- Impact tool includes blade and can be used with all 110-style terminations including 110Connect, 610XC, and SL Series modular jacks



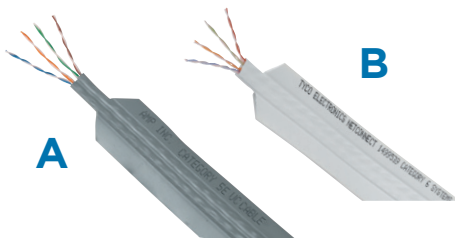
ORDERING INFORMATION

Description	Figure	Part Numbers
Pro Impact Tool with Extended-life Blade	A	1375308-1

Undercarpet Communications Cable

FEATURES

- Available on reels of 250 ft [76.2 m] and 100 ft [30.48 m]
- Exceeds TIA/EIA and ISO specifications for Categories specified
- Exceeds all requirements for Gigabit Ethernet
- Independently verified by Intertek ETL SEMKO testing services
- UL Listed; UL Type CMUC
- CSA Certified; CSA Type CMH
- Lead-free jacketing



ORDERING INFORMATION

Description	TIA/EIA Category	Figure	Part Numbers	
			100 ft [30.48 m]	250 ft [76.2 m]
Undercarpet Communications Cable, UTP, 4-Pair	5e	A	1499119-5	1499119-1
	6	B	1499539-5	1499539-1

Communications Cable Notching Tool

FEATURES

- For notching undercarpet communications cable to allow smooth turns in cable runs



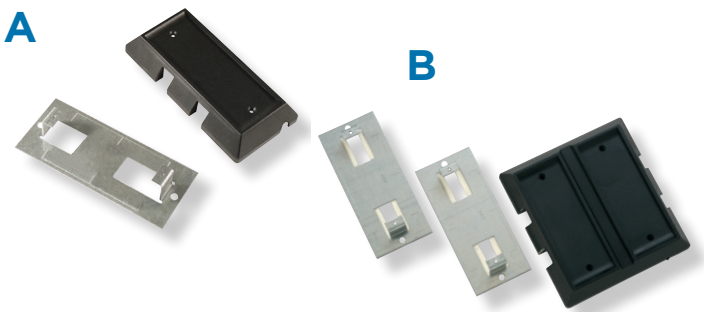
ORDERING INFORMATION

Description	Part Numbers
Notching Tool for Undercarpet Communications Cable	1725698-1

Low Profile Communications Floor Fittings

FEATURES

- Modular jack kits are available separately, see page 20
- Matches the design of the DCR kits
- Accepts 110Connect or SL Series modular jacks or SL Series Multimedia Jacks & Inserts
- 2-port accepts up to two modular jacks
- 4-port accepts up to four modular jacks



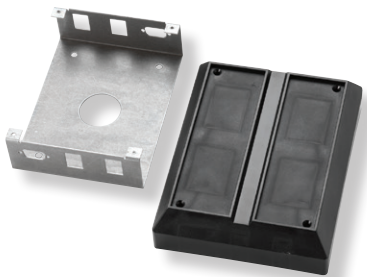
ORDERING INFORMATION

Description		Figure		Part Numbers
Low Profile Communications Floor Fittings	2-Port	Black	A	554206-1
		Gray		554206-3
	4-Port	Black	B	555287-1
		Gray		555287-3

Low Profile Multimedia Floor Fitting

FEATURES

- Replicates the design of the DCR kits
- Mounts to floor with double sided tape (supplied), screws or studs (customer supplied)
- Cable entry from sides or bottom
- Can also accommodate up to four ACO (AMP Communications Outlet) single port installation kits (purchased separately)
- Accepts up to four 110Connect modular jacks, SL Series modular jacks, or SL Series multimedia jacks or inserts
- Accepts up to two SVGA (or similar sized connector) connectors (ordered separately)



ORDERING INFORMATION

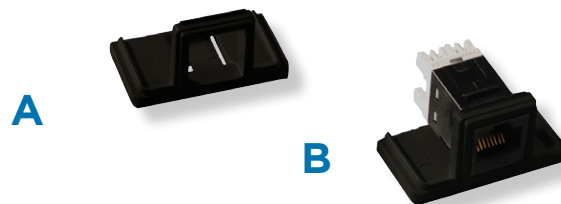
Description	Part Numbers
Low Profile Multimedia Floor Fitting Kit	1479542-1

Undercarpet Cabling

Modular Jack Kits and Accessories

FEATURES

- Modular jack kits include black colored jack
- Bracket mounts to floor fitting with double sided tape (supplied)
- Bracket accepts 110Connect and SL Series modular and multimedia jacks and inserts
- Modular jacks meet or exceed TIA and ISO component performance requirements
- Modular jacks feature universal wiring labels to permit wiring to either T568A or T568B patterns



ORDERING INFORMATION

Description	Jack Color	Figure	EIA/TIA Category	Part Numbers
Modular Jack Bracket	-	A	-	1499543-1
SL Series Modular Jack Bracket Kits	Black	B	Cat 5e	558054-1
			Cat 6	1933377-1

Surface Mount Floor Cover Kit

FEATURES

- Used as a surface-mount transition point between UnderCarpet and round cable
- Ideal for use over existing poke-thru fittings. Accommodates ½ or ¾ inch conduit fittings
- Can be used for UnderCarpet Power or Communications separately but not combined
- 2 inches high, 14 inches long, 11.25 inches wide
- Must order surface mount box (1375033-1) separately
- Transition blocks for power and communications not included



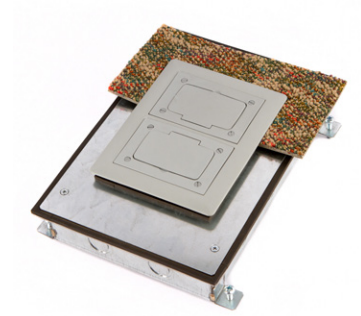
ORDERING INFORMATION

Description	Color	Part Numbers
Surface Mount Floor Cover Kit	Black	2111420-1

Flush Floor Outlet Box Kits

FEATURES

- Flush mount outlet alternative to DCRs
- Intended for use in concrete floors
- Used for UnderCarpet power or communications separately but not combined in the same box
- Maybe used as a transition point (1375130-1)
- Available with or without outlet covers. Designed to accept Thomas and Betts metallic or non-metallic floor box covers (640 and 840 Series)
- 2.5 inches deep, 12 inches long, 8 inches wide
- Duplex power or communications jacks not included



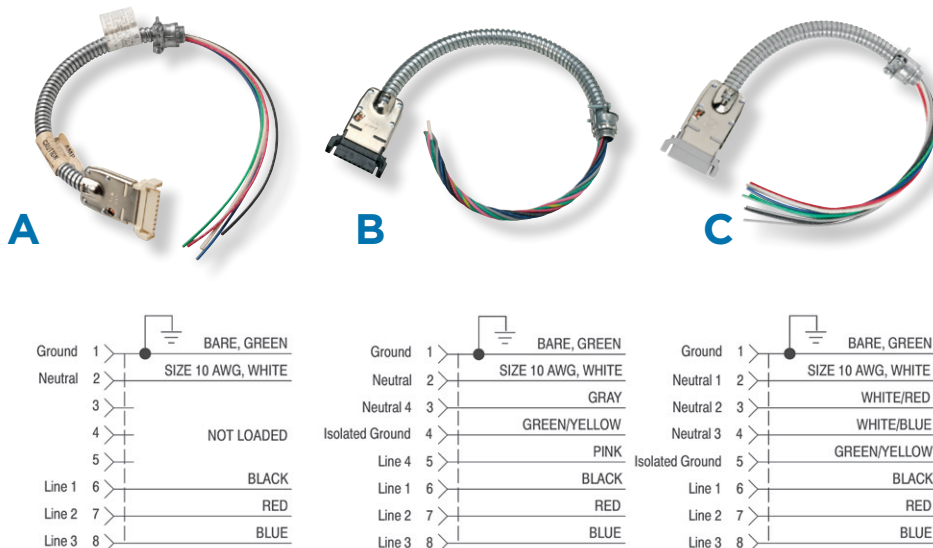
ORDERING INFORMATION

Description	Part Numbers
1-Gang, Flush Floor Outlet Box (outlet covers not included)	1375130-1
2-Gang, Flush Floor Outlet Box (outlet covers not included)	1375130-2
1-Gang, Flush Floor Outlet Box (outlet covers included)	2111353-1
2-Gang, Flush Floor Outlet Box (outlet covers included)	2111353-2

AMPINNERGY Line Entry Cable Assemblies

FEATURES

- Used to interface between manufactured wiring and other wiring systems such as building wiring, fixture wiring, or access floor workstation module wiring
- Female connector
- Mates to power connector cable assemblies
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, white housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2), dedicated neutral, gray housing



ORDERING INFORMATION

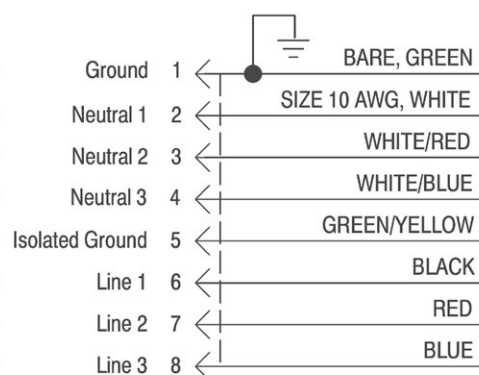
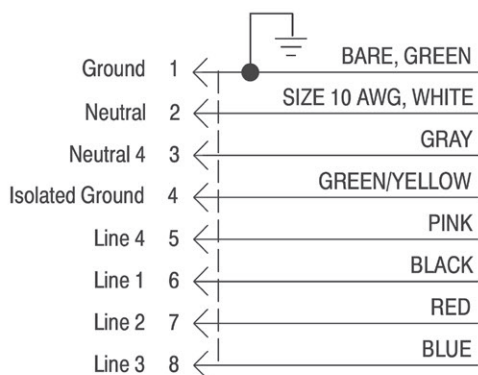
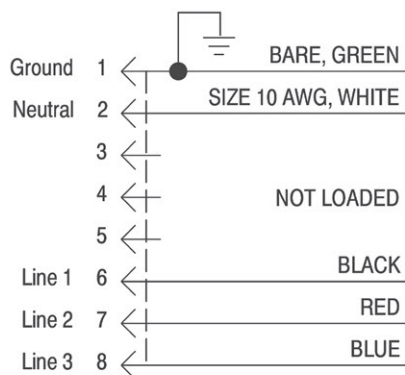
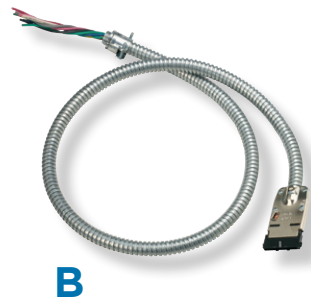
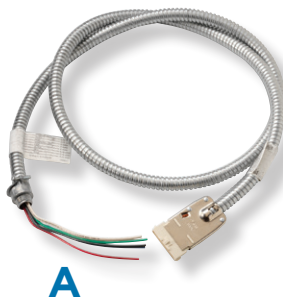
Wiring System	Length of Exposed Conductors	Neutral Size	Figure	Length		Part Numbers
				ft	[m]	
5-Wire/3 Circuit (3-1-1), Shared Neutral	12 in [30.48 cm]	10 AWG	A	1.33	[0.40]	557652-1
				8	[2.44]	557652-3
8-Wire/4 Circuit (4-2-2), Shared Neutral	12 in [30.48 cm]	10/12 AWG	B	1	[0.30]	556148-1
				2	[0.61]	556148-2
				3	[0.91]	556148-3
				4	[1.22]	556148-4
				5	[1.52]	556148-5
				10	[3.05]	1-556148-0
				15	[4.57]	1-556148-5
				20	[6.10]	2-556148-0
				25	[7.62]	2-556148-5
				30	[9.14]	3-556148-0
				40	[12.19]	3-556148-2
				50	[15.24]	3-556148-1
8-Wire/3 Circuit (3-3-2), Dedicated Neutral	12 in [30.48 cm]	10/12 AWG	C	1	[0.30]	1933403-1
				2	[0.61]	1933403-2
				3	[0.91]	1933403-3
				4	[1.22]	1933403-4
				5	[1.52]	1933403-5
				10	[3.05]	1-1933403-0
				15	[4.57]	1-1933403-5
				20	[6.10]	2-1933403-0
				25	[7.62]	2-1933403-5
				30	[9.14]	3-1933403-0
				40	[12.19]	4-1933403-0
				50	[15.24]	5-1933403-0

Modular Power Distribution

AMPINNERGY Power Entry Cable Assemblies

FEATURES

- Used to interface between manufactured wiring and other wiring systems, such as building wiring, fixture wiring, or access floor module wiring
- Male connector
- Mates to line connector cable assemblies, power junction boxes, power distribution modules (PDMs), zone distribution modules (ZDBs) and power transition units (PTUs)
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, white housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2), dedicated neutral, gray housing



AMPINNERGY Power Entry Cable Assemblies

ORDERING INFORMATION

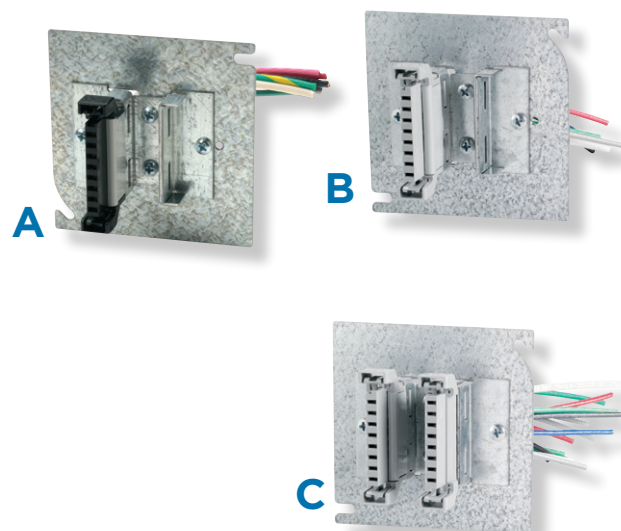
Wiring System	Length of Exposed Conductors	Neutral Size	Figure	Length		Part Numbers
				ft	[m]	
5-Wire/3 Circuit (3-1-1), Shared Neutral	12 in [30.48 cm]	10 AWG	A	2	[0.61]	555858-1
				3	[0.91]	555858-2
				4	[1.22]	555858-3
				5	[1.52]	2-555858-6
				10	[3.05]	555858-9
				15	[4.57]	1-555858-5
				20	[6.10]	1-555858-3
				25	[7.62]	1-555858-0
				30	[9.14]	2-555858-4
				40	[12.19]	2-555858-7
				50	[15.24]	1-555858-1
8-Wire/4 Circuit (4-2-2), Shared Neutral	12 in [30.48 cm]	10/12 AWG	B	2	[0.61]	555856-1
				3	[0.91]	555856-2
				4	[1.22]	555856-3
				5	[1.52]	555856-8
				10	[3.05]	1-555856-4
				15	[4.57]	1-555856-3
				20	[6.10]	1-555856-6
				25	[7.62]	555856-7
				30	[9.14]	1-555856-9
				40	[12.19]	2-555856-0
				50	[15.24]	1-555856-2
8-Wire/3 Circuit (3-3-2), Dedicated Neutral	12 in [30.48 cm]	10/12 AWG	C	2	[0.61]	1933402-2
				3	[0.91]	1933402-3
				4	[1.22]	1933402-4
				5	[1.52]	1933402-5
				10	[3.05]	1-1933402-0
				15	[4.57]	1-1933402-5
				20	[6.10]	2-1933402-0
				25	[7.62]	2-1933402-5
				30	[9.14]	3-1933402-0
				40	[12.19]	4-1933402-0
				50	[15.24]	5-1933402-0

Modular Power Distribution

AMPINNERGY Power Transition Units

FEATURES

- Provides interface for building power to manufactured wiring system
- Female connector
- Four inch faceplate equipped with one or two hard wired line connectors to fit standard, customer supplied, four inch junction box
- Mates with power cable assemblies
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, white housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2) , dedicated neutral, gray housing



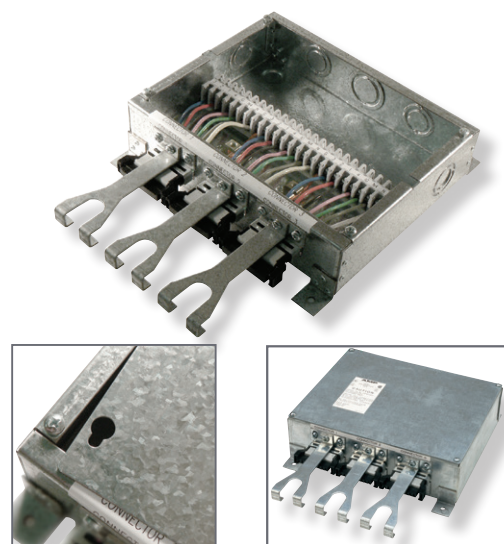
ORDERING INFORMATION

Wiring System	Line Connectors	Figure	Part Numbers
5-Wire/3 Circuit (3-1-1), Shared Neutral	1	A	556190-1
	2		556190-2
8-Wire/4 Circuit (4-2-2), Shared Neutral	1		556191-1
	2		556191-2
8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1	B	1933399-1
	2	C	1933399-2

AMPINNERGY Zone Power Distribution Kit

FEATURES

- Equipped with 3 bulkhead mounted AMPINNERGY line connectors with an enclosure mounted strain relief attached for each AMPINNERGY cable assembly
- Female connector
- 24-position terminal strip allows easy transition between building wiring and manufactured wiring
- Terminal strip accepts up to 8 AWG wire for incoming building wiring
- Multiple knockout sizes (½ in, ¾ in, 1 in, 1 ¼ in) accommodate a variety of field installation requirements
- Factory assembled and tested
- External mounting legs secure kit to floor



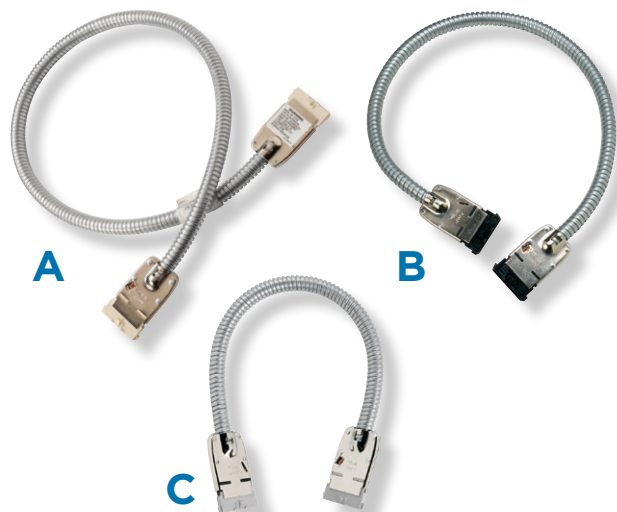
ORDERING INFORMATION

Wiring System	Number of Circuits	Part Numbers
Shared Neutral (5-Wire/3 Circuit (3-1-1) and 8-Wire/4 Circuit (4-2-2))	Up to 12	1933419-8
Dedicated Neutral (8-Wire/3 Circuit (3-3-2))	Up to 9	1933419-3

AMPINNERGY Power-to-Power Cable Assemblies

FEATURES

- Used to jumper system components together
- Male connectors both ends
- Mates with line connector cable assemblies, power junction boxes, power distribution modules, zone distribution modules, and power transition units
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, white housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2) , dedicated neutral, gray housing



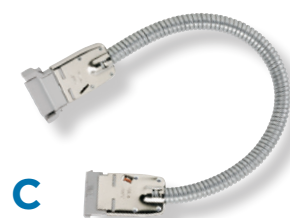
ORDERING INFORMATION

Wiring System	Neutral Size	Figure	Length		Part Numbers
			ft	[m]	
5-Wire/3 Circuit (3-1-1), Shared Neutral	10 AWG	A	2	[0.61]	2-556212-0
			3	[0.91]	3-556212-3
			4	[1.22]	1-556212-5
			5	[1.52]	3-556212-6
			10	[3.05]	3-556212-1
			15	[4.57]	2-556212-3
			20	[6.10]	7-556212-1
			25	[7.62]	4-556212-5
			30	[9.14]	7-556212-2
			40	[12.19]	7-556212-3
8-Wire/4 Circuit (4-2-2), Shared Neutral	10/12 AWG	B	50	[15.24]	4-556212-8
			2	[0.61]	2-556127-4
			3	[0.91]	1-556127-8
			4	[1.22]	1-556127-5
			5	[1.52]	2-556127-7
			10	[3.05]	5-556127-6
			15	[4.57]	3-556127-3
			20	[6.10]	7-556127-9
			25	[7.62]	7-556127-1
			30	[9.14]	8-556127-7
8-Wire/3 Circuit (3-3-2), Dedicated Neutral	10/12 AWG	C	40	[12.19]	8-556127-8
			50	[15.24]	5-556127-5
			2	[0.61]	1933400-2
			3	[0.91]	1933400-3
			4	[1.22]	1933400-4
			5	[1.52]	1933400-5
			10	[3.05]	1-1933400-0
			15	[4.57]	1-1933400-5
			20	[6.10]	2-1933400-0
			25	[7.62]	2-1933400-5
			30	[9.14]	3-1933400-0
			40	[12.19]	4-1933400-0
			50	[15.24]	5-1933400-0

AMPINNERGY Power-to-Line Cable Assemblies

FEATURES

- Used to jumper system components together and can be used to extend power-to-power cable assemblies
- Male to female connectors
- Mates with power connector and line connector cable assemblies, power junction boxes, power distribution modules, zone distribution modules, and power transition units
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, white housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2), dedicated neutral, gray housing



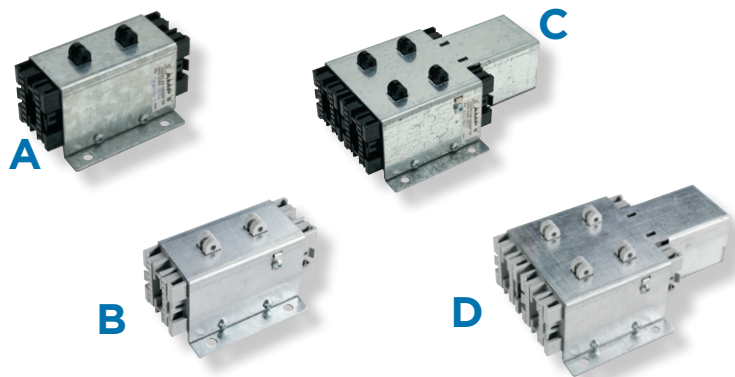
ORDERING INFORMATION

Wiring System	Neutral Size	Figure	Length		Part Numbers
			ft	[m]	
5-Wire/3 Circuit (3-1-1), Shared Neutral	10 AWG	A	4	[1.22]	1-556730-0
			15	[4.57]	556730-3
			50	[15.24]	1-556730-3
8-Wire/4 Circuit (4-2-2), Shared Neutral	10/12 AWG	B	2	[0.61]	556731-6
			3	[0.91]	556731-8
			4	[1.22]	1-556731-0
			5	[1.52]	1-556731-1
			10	[3.05]	2-556731-5
			15	[4.57]	556731-3
			20	[6.10]	2-556731-6
			25	[7.62]	2-556731-4
			30	[9.14]	2-556731-8
			40	[12.19]	2-556731-9
			50	[15.24]	1-556731-3
8-Wire/3 Circuit (3-3-2), Dedicated Neutral	10/12 AWG	C	2	[0.61]	1933401-2
			3	[0.91]	1933401-3
			4	[1.22]	1933401-4
			5	[1.52]	1933401-5
			10	[3.05]	1-1933401-0
			15	[4.57]	1-1933401-5
			20	[6.10]	2-1933401-0
			25	[7.62]	2-1933401-5
			30	[9.14]	3-1933401-0
			40	[12.19]	4-1933401-0
			50	[15.24]	5-1933401-0

AMPINNERGY Power Distribution Modules (PDMs)

FEATURES

- Mates with power connector cable assemblies
- Female connectors
- Rated at 125/250 VAC, 20 A
- All PDM Units are bidirectional
- 4-port PDMs allow for circuits to be distributed in 3 directions
- 6-port PDMs allow for circuits to be distributed in 5 directions
- Lower profile PDM available upon request
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, white housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2), dedicated neutral, gray housing



ORDERING INFORMATION

Description	Length in	Length [cm]	Power Ports	Figure	Part Numbers	
Power Distribution Module (PDM), Standard Height, with Lug Mounts	2.78	[7.07]	4		5-Wire/3 Circuit (3-1-1), Shared Neutral	556173-2
				A	8-Wire/4 Circuit (4-2-2), Shared Neutral	556173-1
				B	8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933405-1
			6		5-Wire/3 Circuit (3-1-1), Shared Neutral	556794-2
				C	8-Wire/4 Circuit (4-2-2), Shared Neutral	556794-1
				D	8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933472-1

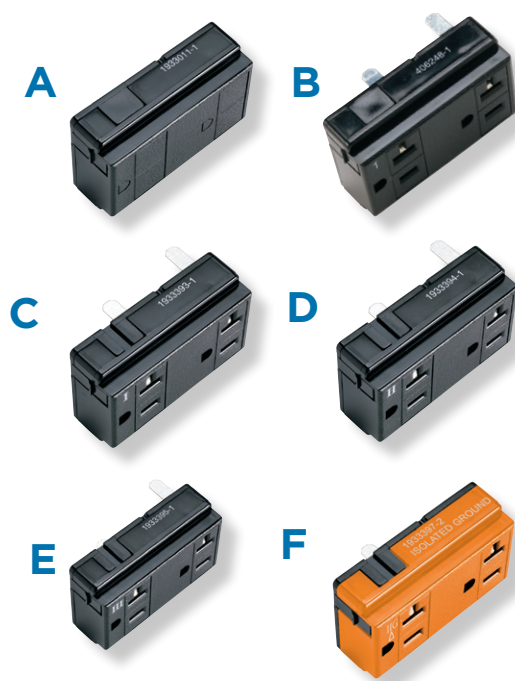
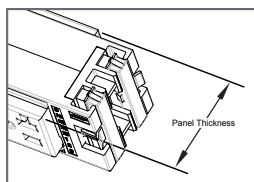
AMPINNERGY Modular Duplex Receptacles

AMPINNERGY Modular Duplex Receptacles

FEATURES

- Mates with power junction boxes and modular power strips
- Rated at 125 VAC, 20 A
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, black housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2), dedicated neutral, gray housing
- Meets NEMA 5-20R
- Available with standard or isolated ground
- Active line clearly indicated
- For 8-wire systems with isolated ground, isolated ground is marked with a triangle

- 3-3-2 and 8-wire 20 A isolated ground receptacles are orange, other receptacles are black
- Fully polarized and keyed
- Fits panel thicknesses of 2 in [50.8 mm] or 2.5 in [63.5 mm]
- Designed to accommodate field “plug-and-play” changes for phase and load balancing
- NOTE: 2 inch versions are most common and readily available



5-Wire (3-1-1), Shared Neutral Modular Receptacles

Line	Amperage	Panel Thickness		Color	Figure	Part Numbers
		in	[cm]			
1	20	2.0	[50.8]	Black	B	406248-1
		2.5	[63.5]	Black		406265-1
2	20	2.0	[50.8]	Black		406249-1
		2.5	[63.5]	Black		406266-1
3	20	2.0	[50.8]	Black		406250-1
		2.5	[63.5]	Black		406267-1

8-Wire (4-2-2), Shared Neutral Modular Receptacles

1	20	2.0	[50.8]	Black	B	406248-1
		2.5	[63.5]	Black		406265-1
2	20	2.0	[50.8]	Black		406249-1
		2.5	[63.5]	Black		406266-1
3	20	2.0	[50.8]	Black		406250-1
		2.5	[63.5]	Black		406267-1
4	20	2.0	[50.8]	Black		406251-1
		2.5	[63.5]	Black		406268-1

8-Wire (4-2-2), Shared Neutral, Isolated Ground Modular Receptacles

Line	Amperage	Panel Thickness		Color	Figure	Part Numbers
		in	[cm]			
1G	20	2.0	[50.8]	Orange		406252-2
		2.5	[63.5]	Orange		406269-2
2G	20	2.0	[50.8]	Orange		406253-2
		2.5	[63.5]	Orange		406270-2
3G	20	2.0	[50.8]	Orange		406254-2
		2.5	[63.5]	Orange		406271-2
4G	20	2.0	[50.8]	Orange		406255-2
		2.5	[63.5]	Orange		406272-2
5G	20	2.5	[63.5]	Orange		406273-2

8-Wire (3-3-2), Dedicated Neutral Modular Receptacles

1	20	2.0	[50.8]	Black	C	1933393-1
2	20	2.0	[50.8]	Black	D	1933394-1
3	20	2.0	[50.8]	Black	E	1933395-1

8-Wire (3-3-2), Dedicated Neutral, Isolated Ground Modular Receptacles

1G	20	2.0	[50.8]	Orange		1933396-2
2G	20	2.0	[50.8]	Orange	F	1933397-2
3G	20	2.0	[50.8]	Orange		1933398-2

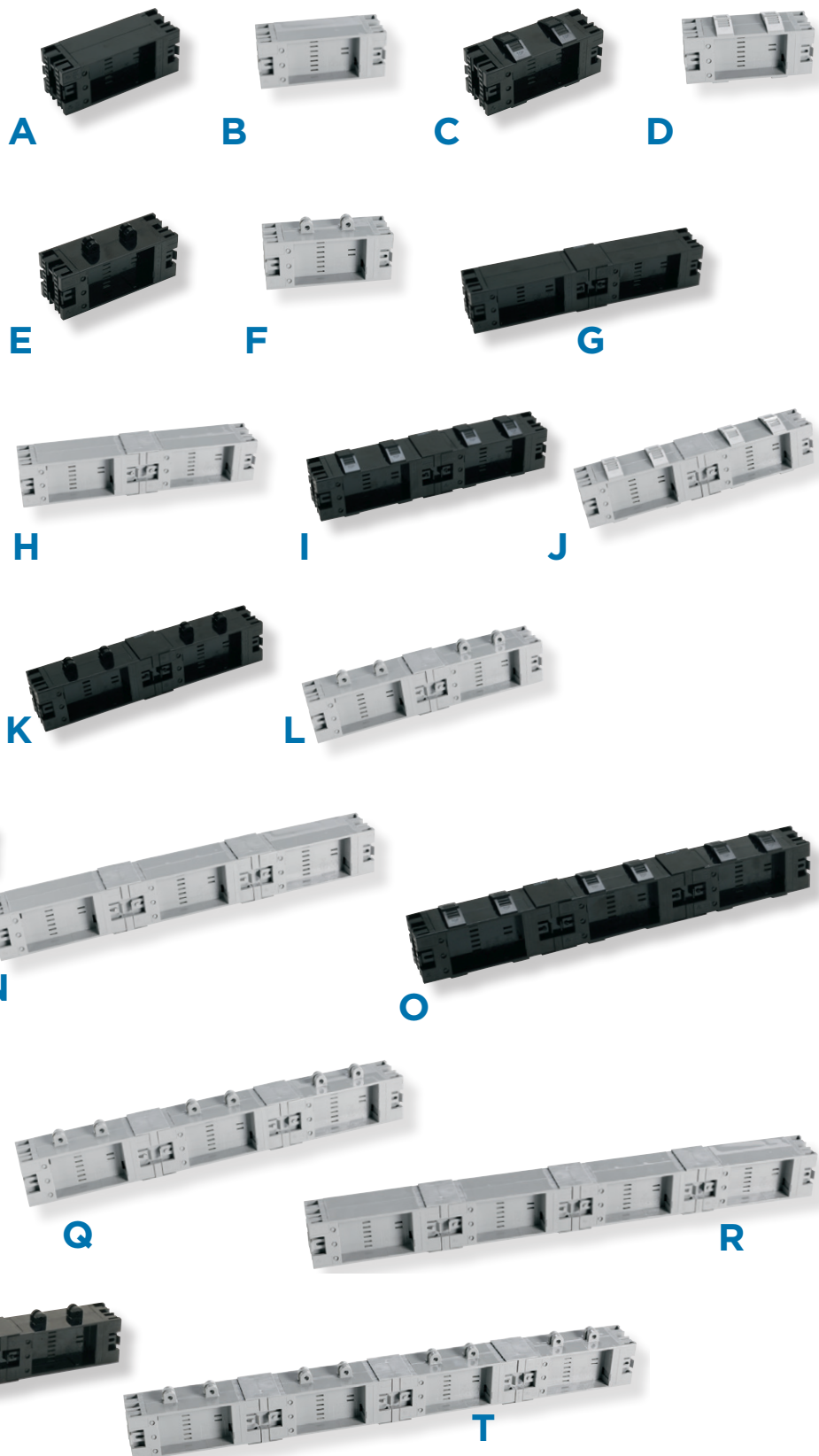
Blank Modular Receptacle

		2.0	[50.8]	Black	A	1933011-1
--	--	-----	--------	-------	---	-----------

AMPINNERGY Junction Boxes

FEATURES

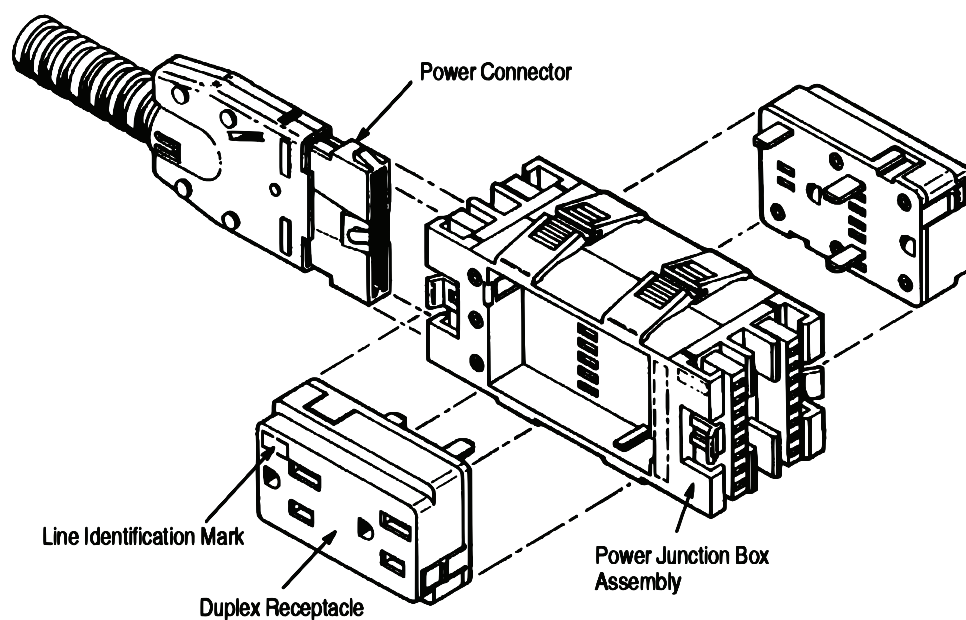
- Mates with power connector cable assemblies
- Female connectors
- Rated at 125/250 VAC, 20 A per circuit
- Available in three circuit configurations:
 - 5-wire/3 circuit (3-1-1), shared neutral, black housing
 - 8-wire/4 circuit (4-2-2), shared neutral, black housing
 - 8-wire/3 circuit (3-3-2), dedicated neutral, gray housing
- Junction boxes are available in the following styles:
 - Simplex (one per side, two total)
 - Duplex (two per side, four total)
 - Triplex (three per side, six total)
 - Quadplex (four per side, eight total)
- Mounting options include bracket, snap-in or lug mount



AMPINNERGY Modular Duplex Receptacles

ORDERING INFORMATION

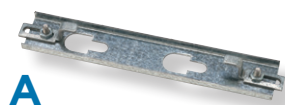
Description	Total Receptacles Accepted	Mounting Option	Figure	Part Numbers
Simplex Junction Boxes	2	Bracket	5-Wire/3 Circuit (3-1-1), Shared Neutral	556887-1
			A 8-Wire/4 Circuit (4-2-2), Shared Neutral	556888-1
			B 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933381-1
		Snap-in	5-Wire/3 Circuit (3-1-1), Shared Neutral	556209-1
			C 8-Wire/4 Circuit (4-2-2), Shared Neutral	556124-1
			D 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933382-1
		Lug	5-Wire/3 Circuit (3-1-1), Shared Neutral	556217-1
			E 8-Wire/4 Circuit (4-2-2), Shared Neutral	556132-1
			F 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933383-1
Duplex Junction Boxes	4	Bracket	5-Wire/3 Circuit (3-1-1), Shared Neutral	556886-1
			G 8-Wire/4 Circuit (4-2-2), Shared Neutral	556946-1
			H 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933384-1
		Snap-in	5-Wire/3 Circuit (3-1-1), Shared Neutral	555844-1
			I 8-Wire/4 Circuit (4-2-2), Shared Neutral	555843-1
			J 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933385-1
		Lug	5-Wire/3 Circuit (3-1-1), Shared Neutral	555848-1
			K 8-Wire/4 Circuit (4-2-2), Shared Neutral	555847-1
			L 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933386-1
Triplex Junction Boxes	6	Bracket	M 8-Wire/4 Circuit (4-2-2), Shared Neutral	557802-2
			N 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933387-1
		Snap-in	O 8-Wire/4 Circuit (4-2-2), Shared Neutral	557802-1
			P 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933388-1
		Lug	8-Wire/4 Circuit (4-2-2), Shared Neutral	1479653-1
			Q 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933389-1
Quadplex Junction Boxes	8	Bracket	8-Wire/4 Circuit (4-2-2), Shared Neutral	557950-1
			R 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933390-1
		Snap-in	8-Wire/4 Circuit (4-2-2), Shared Neutral	1479442-1
			8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933391-1
		Lug	S 8-Wire/4 Circuit (4-2-2), Shared Neutral	1479120-1
			T 8-Wire/3 Circuit (3-3-2), Dedicated Neutral	1933392-1



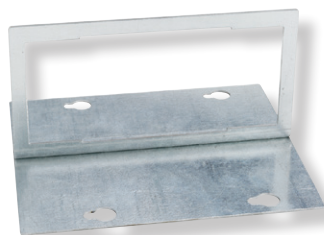
AMPINNERGY Mounting Brackets

FEATURES

- Contact your local AMP NETCONNECT product sales engineer for the availability of other bracket configurations
- Used to retrofit AMPINNERGY modular power distribution system junction boxes into raceways of existing modular furniture panels, retail and gaming fixtures



B



C



Example of 1933781-1
loaded with 1933382-1
(Snap-in Mount, Junction Box)

ORDERING INFORMATION

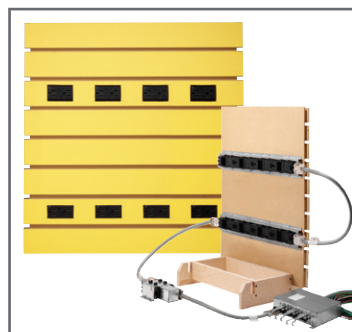
Description	Works With	Type	Figure	Part Numbers
Bracket	Bracket Mount Junction Boxes	Standard	A	556920-1
		Multiplex		556944-1
Vertical Keyhole Mount Bracket	Snap-in Mount, Junction Boxes	Single	B	1933781-1
		Duplex		1933781-2
Horizontal Keyhole Mount Bracket	Snap-in Mount, Junction Boxes	Single	C	1479217-1
		Duplex		1479219-1
		Triplex		1933939-1
		Quadplex		1933940-1

Modular Power Distribution

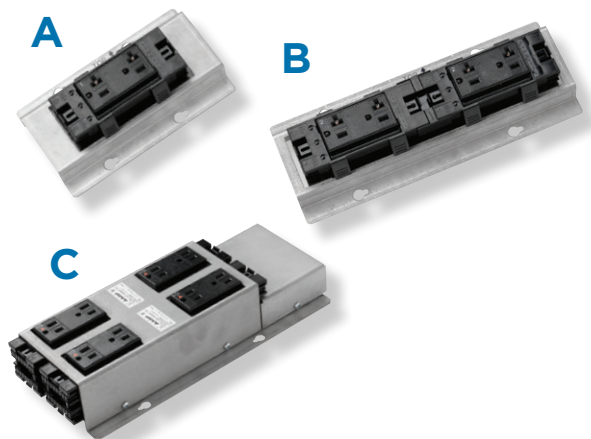
AMPINERGY Keyhole Mount, Modular Receptacle, Power Strips

FEATURES

- Used for T-slot or surface mount wall and counter applications
- Female connectors
- Accept modular, duplex receptacles as listed
- Mates with power cable assemblies
- Polarized and keyed
- Rated at 125/250 VAC, 20 A per circuit



Example of T-slot Wall Installation



ORDERING INFORMATION

Description	Included Modular Duplex Receptacles	Amperage	Wiring System	Figure	Line 1	Line 2	Line 3	Line 4
Simplex Power Strip	1	20 A	8-Wire/4 Circuit (4-2-2)	A	1479218-1	1479218-2	1479218-3	1479218-4
			8-Wire/3 Circuit (3-3-2)		1933413-1	1933413-2	1933413-3	-
Duplex Power Strip	2	20 A	8-Wire/4 Circuit (4-2-2)	B	1479220-1	1479220-2	1479220-3	1479220-4
			8-Wire/3 Circuit (3-3-2)		1933414-1	1933414-2	1933414-3	-
Quadplex Power Strip	4	20 A	8-Wire/4 Circuit (4-2-2)	C	1479216-1	1479216-2	1479216-3	1479216-4
			8-Wire/3 Circuit (3-3-2)		1933415-1	1933415-2	1933415-3	-

AMPINERGY Single Receptacle, Power Strips

FEATURES

- 1479544 features a standard, three prong (NEMA-5-15) plug
- Rated at 125/250 VAC, 15 A



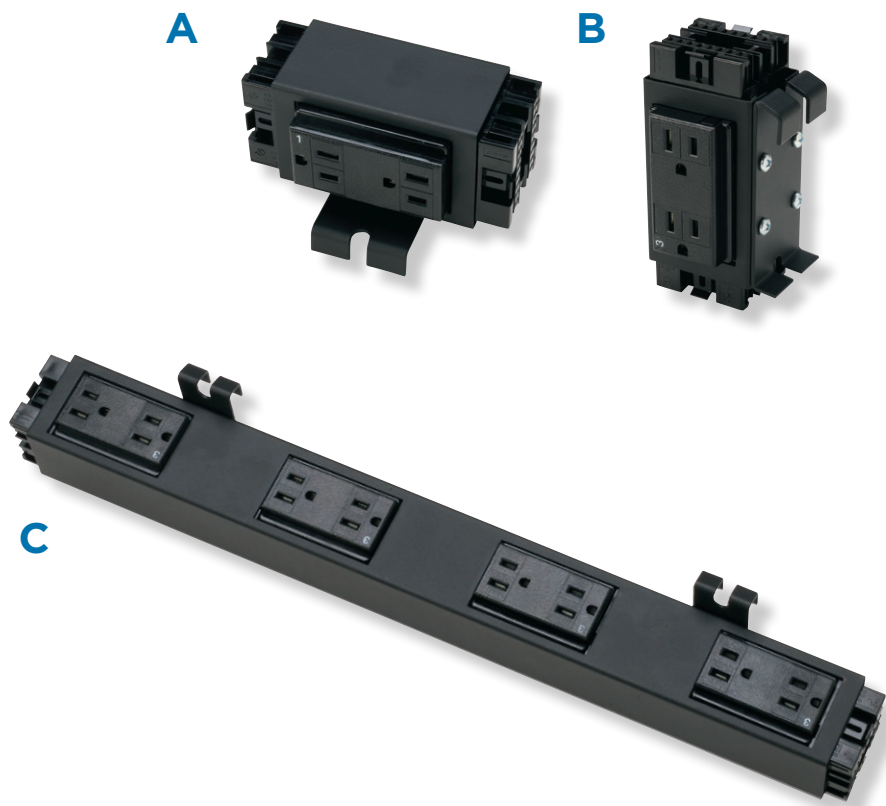
ORDERING INFORMATION

Description	Included Receptacles	Line	Figure	Part Numbers
Power Strip, with 6 ft Cable and 3 (NEMA-5-15) Prong	5 Fixed, Single		B	1479544-1

AMPINNERGY Wire Mesh Rack Mount, Modular Receptacle, Power Strips

FEATURES

- Used for T-slot or surface mount wall and counter applications
- Female connectors
- Allows connection to AMPINNERGY junction box or PDM when using power-to-power cable assemblies
- Modular Receptacles can be field changed for phase balancing - additional line receptacles are ordered separately
- Designed to allow availability of up to four circuits at each receptacle port opening when using the AMPINNERGY 8-wire four circuit system
- Accepts modular, duplex receptacles as listed
- Mates with power cable assemblies
- Polarized and keyed
- Rated at 125/250 VAC, 20 A per circuit



ORDERING INFORMATION

Description	Included Receptacles	Orientation	Amperage	Figure	Line	Part Numbers
Simplex Power Strip, Double Sided	2 Modular Duplex Receptacle	Horizontal Rack	15 A	A	1	3-1479093-1
					2	3-1479093-2
					3	3-1479093-3
					4	3-1479093-4
		Vertical Slot	15 A		1	8-1479093-1
					2	8-1479093-2
					3	8-1479093-3
					4	8-1479093-4
		Vertical Rack	15 A	B	1	3-1479077-1
					2	3-1479077-2
					3	3-1479077-3
					4	3-1479077-4
		Horizontal Rack	15 A	C	1	3-1375280-1
					2	3-1375280-2
					3	3-1375280-3
					4	3-1375280-4
Quadplex Power Strip, Keyhole Mount	4 Modular Duplex Receptacles	Vertical Slot	15 A		1	8-1375280-1
					2	8-1375280-2
					3	8-1375280-3
					4	8-1375280-4

te.com

TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2014 TE Connectivity Ltd. family of companies All Rights Reserved.

320114AE 04/15 Original 2015

CATALOG

Contact us

P.O. Box 1101
Minneapolis, Minnesota
USA 55440-1101

Tel: 1-800-366-3891 x73000
1-952-917-3000

Fax: 1-952-917-3237

www.te.com/bns