NETFLOOR®

ZoneTeq series
Modular Wiring System

www.zoneteq.com

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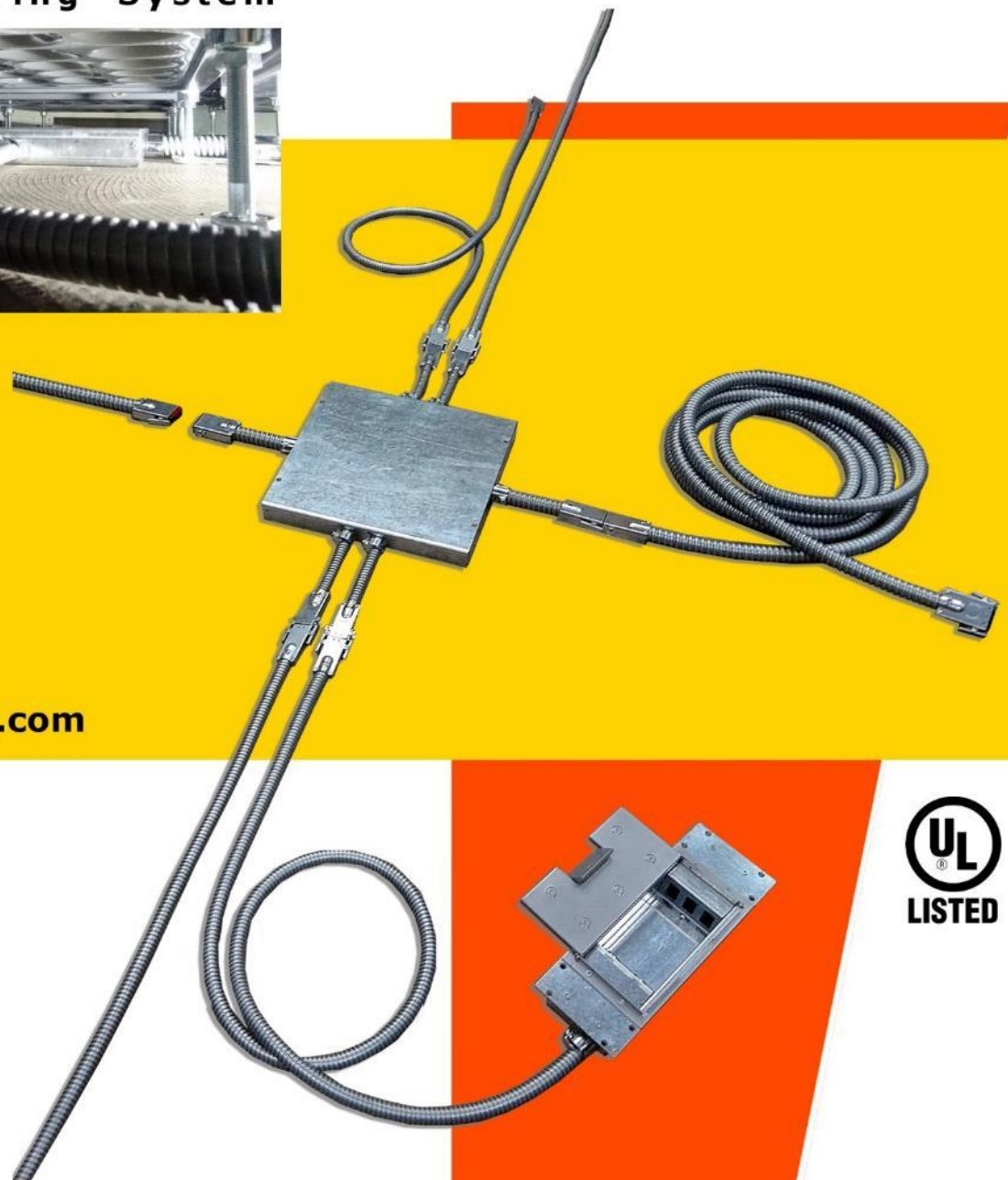
Electrical Solutions at Maximum Efficiency
Plug & Play no sheathing striping, no cutting at job site

ZoneTeq Modular Wiring System

ZoneTeq modular wiring system (MWS) offers pre-engineered, safer, and efficient solution for electrical installation. The pre-assembled Zone Boxes, Jumpers, floor boxes, wall-mount outlets, have largely eliminated sheathing stripping and cutting at job site.

- **Efficient:** pre-assembled units of 4-circuits, 2-circuits, 1-circuit configuration, provides extraordinary labor-saving for connection, routing, and expansion.
- **Safety**: Eliminate cutting at job site. Minimize human error during and after installation.
- **Changeability**: Re-location, upsizing or downsizing in working spaces are matter of hours.
- **Environment-friendly**: all components are **100% re-usable**.
- **Cost saving**: (1) low initial costs (2) high changeability, 100% re-useable (3**) very-low relocation costs,** remove and relocate the system just "matter of **unplug, re-distribute, and plug**".

ZoneTeq MWS distributes under low-profile access floor, and under conventional access floor as well.

Jumpers connect zone boxes, floor boxes under access floor.

ZoneTeq MWS accommodates Netfloor ECO series low-profile access floors.

series connection and extension of floor boxes.

Applicable and Sustainable Solutions

Offices:

For contemporary modern offices, tens to hundreds of persons, ZoneTeq MWS provides instant, high-changeability, ability for quick expansion, re-organization,.. at shortest time frame, efficient, and cost-effective.
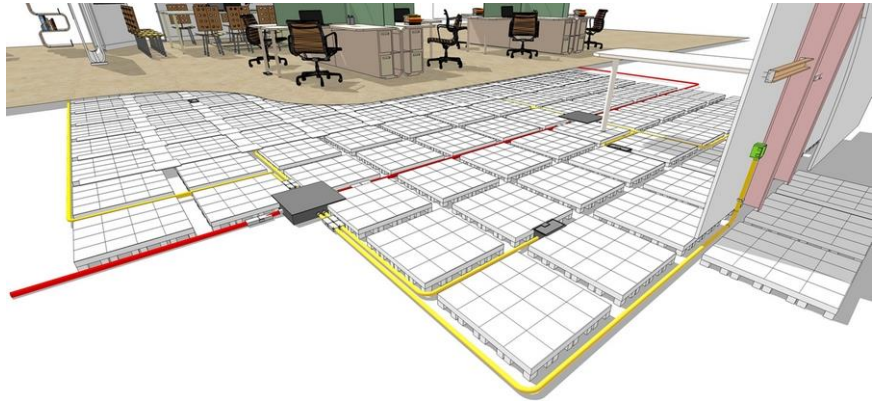

Education, Military, Public Services:

In training classrooms, conference rooms, public libraries, military units, and many of the public service centers, etc., where required high-density of power supply.

Recreational and Commercial:

Systematic, plug & play modular wiring is most suitable for using at modern facilities or equipment in environment of high-density deployment and using of power receptacles such as at casinos, fitness centers, game rooms, coffee shops, etc.

wall-mount outlets

series connection floor boxes
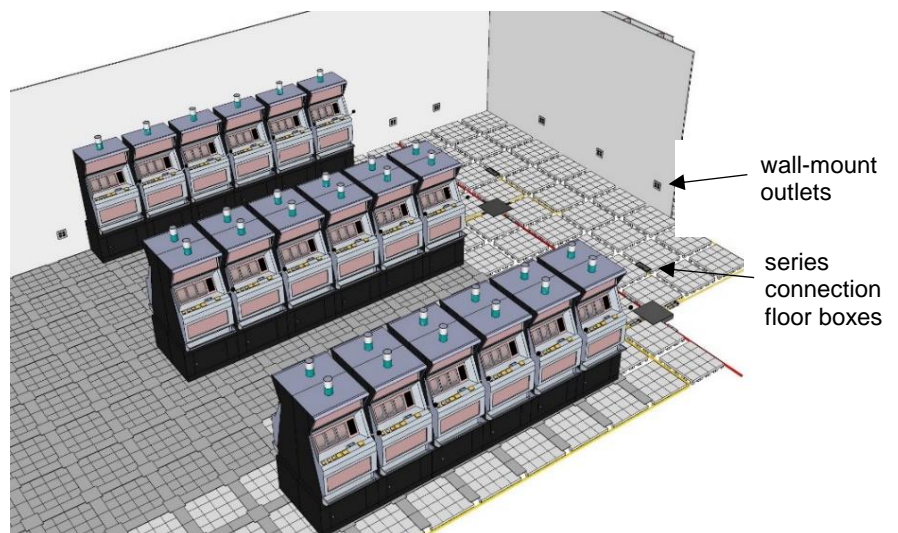
ZoneTeq

I.   MODULARIZED CIRCUITS
ZoneTeq 4 Circuits, 2 circuits, 1 circuit

1. **ZoneTeq 4 circuits:** 4 live, 4 neutral and 2 ground modular wiring system.
   Follow electrical plan to set Zone Boxes' location. The connection of ZoneTeq
   can be started from electrical panel, or from beginning of access floor.

   1A: Install Power Entry (ZPJ-10PFE) at electrical panel.
   (1) Install 10 wires of **ZPJ-10PFE Power Entry** at electrical panel, to establish 4 circuits.
   (2) Connect 10-port Jumper to Power Entry, and to extend to Zone Box (ZP401).
   (3) Connect 3-port Jumper to Zone Box (ZP401), for series extension EXT floor boxes
       (SE403EXT, SE60EXT, SE40EXT, SE60EXT, etc.). One Zone Box (ZP401) provides
       4 circuits.

   Single Series Distribution: deploy single Zone Box for intensive electrical points

Divisional Series Distribution: deploy Zone Boxes for electrical points in large space.

3
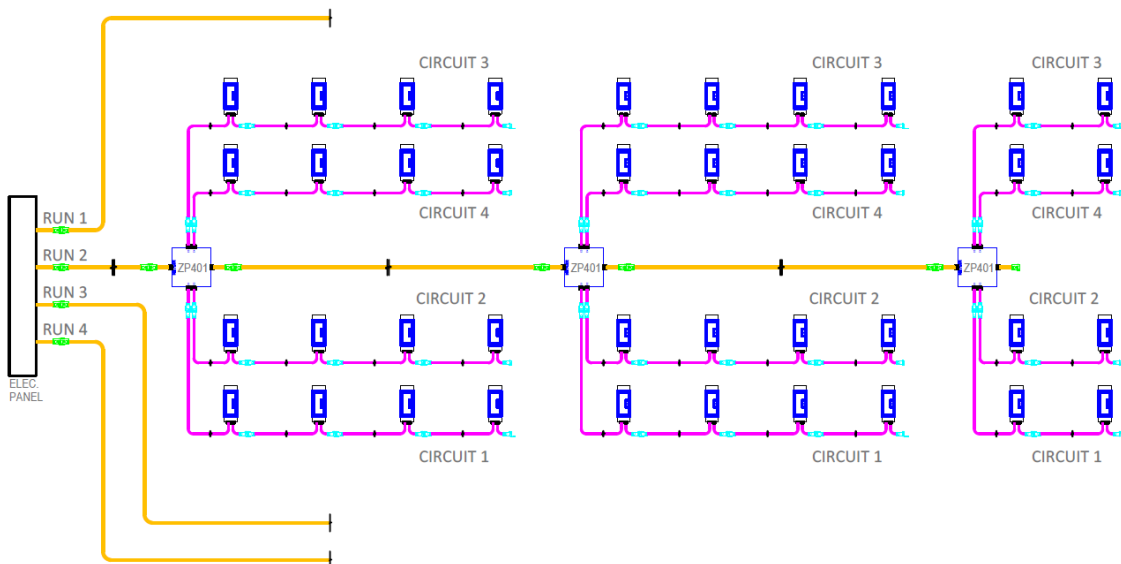
1B: Install Power Entry (ZPE-4C) at beginning of Access Floor
   (1) Run 4 circuits from electrical panel to beginning of access floor.
   (2) Install the 9 wires at ZPE-4C, to establish 4 circuits, distribute through ZP401
   (3) Connect 3-port Jumper to Zone Box (ZP401), for series extension EXT floor boxes.
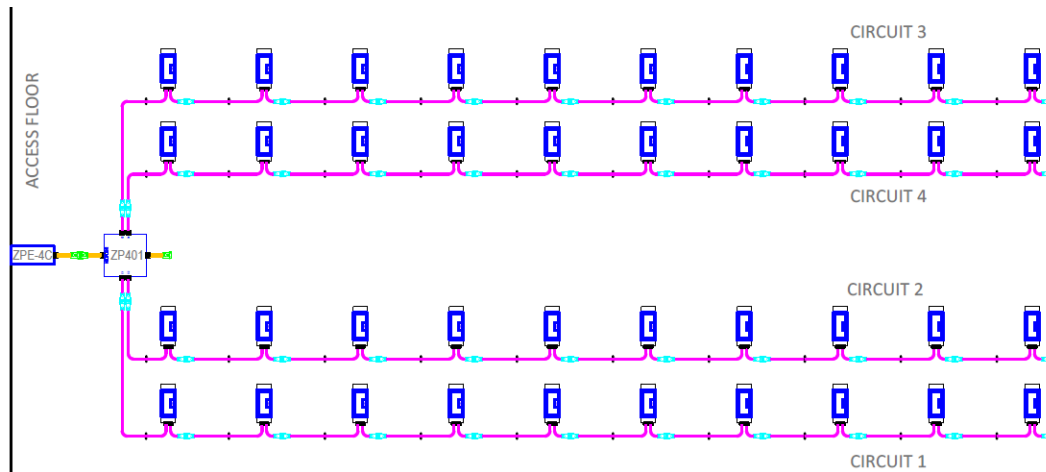
2. ZoneTeq 2-circuits:
   (1) Run 2 circuits from electrical panel to beginning of access floor.

   (2) Install the 2 circuits at Power Entry ZPE-2C at beginning of access floor.

   (3) Series connection of EXT floor boxes per electrical plan of each circuit.
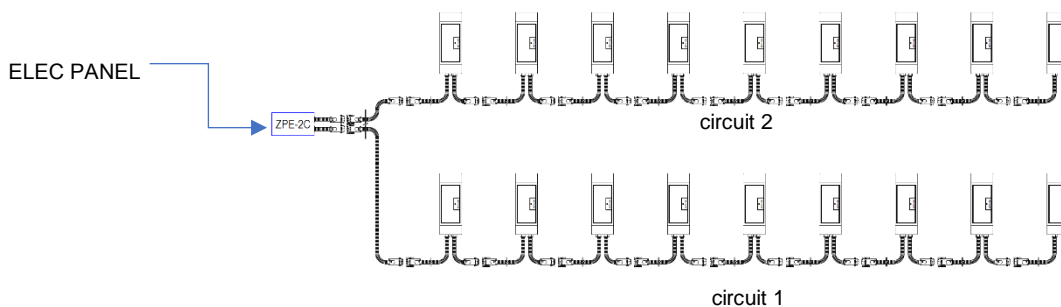
3. ZoneTeq 1-circuit:
   (1) Run 1 circuit from electrical panel to beginning of access floor.

   (2) Install the 1 circuit at Power Entry ZPE-1C at beginning of access floor.

   (3) Series connection of EXT floor boxes per electrical plan.
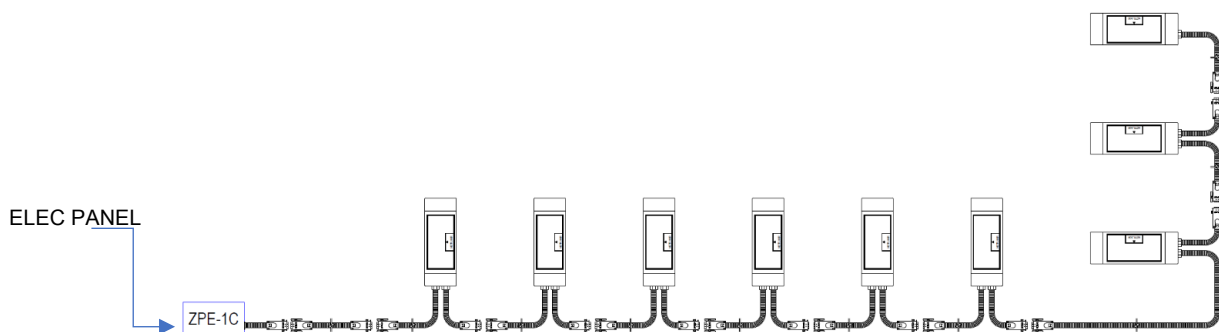
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II   POWER ENTRY

1. "Power-Entry" starts from the Electric Panel

Run cables from electrical panel as beginning of ZoneTeq systems

1A: install Power Entry (ZPJ-10PFE) at electrical panel

Each Power Entry ZPJ10-PFE is 4 circuits whip, with a female connector for connecting to 4 circuits jumper. The example below is for a large office space, which installed with 4 Power Entry, to provide 16 circuits.

4 circuits whip

There are 4 Live, 4 Neutral, 2 grounds 12AWG wires to install in electrical panel

each wire labeled with circuit and sequence

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Example: electrical Box installed with 16 breakers	4 X ZPJ10-PFE Installed onto breakers 16 circuits in series,	tagged series # of circuit aside each breaker	4 circuits jumpers connection

1B: install Power Entry (ZPJ-3PFE-F) at electrical panel

Each Power Entry ZPJ-3PFE is 1 circuit whip, with a female connector for connecting to 1 circuits jumper starting from electrical panel
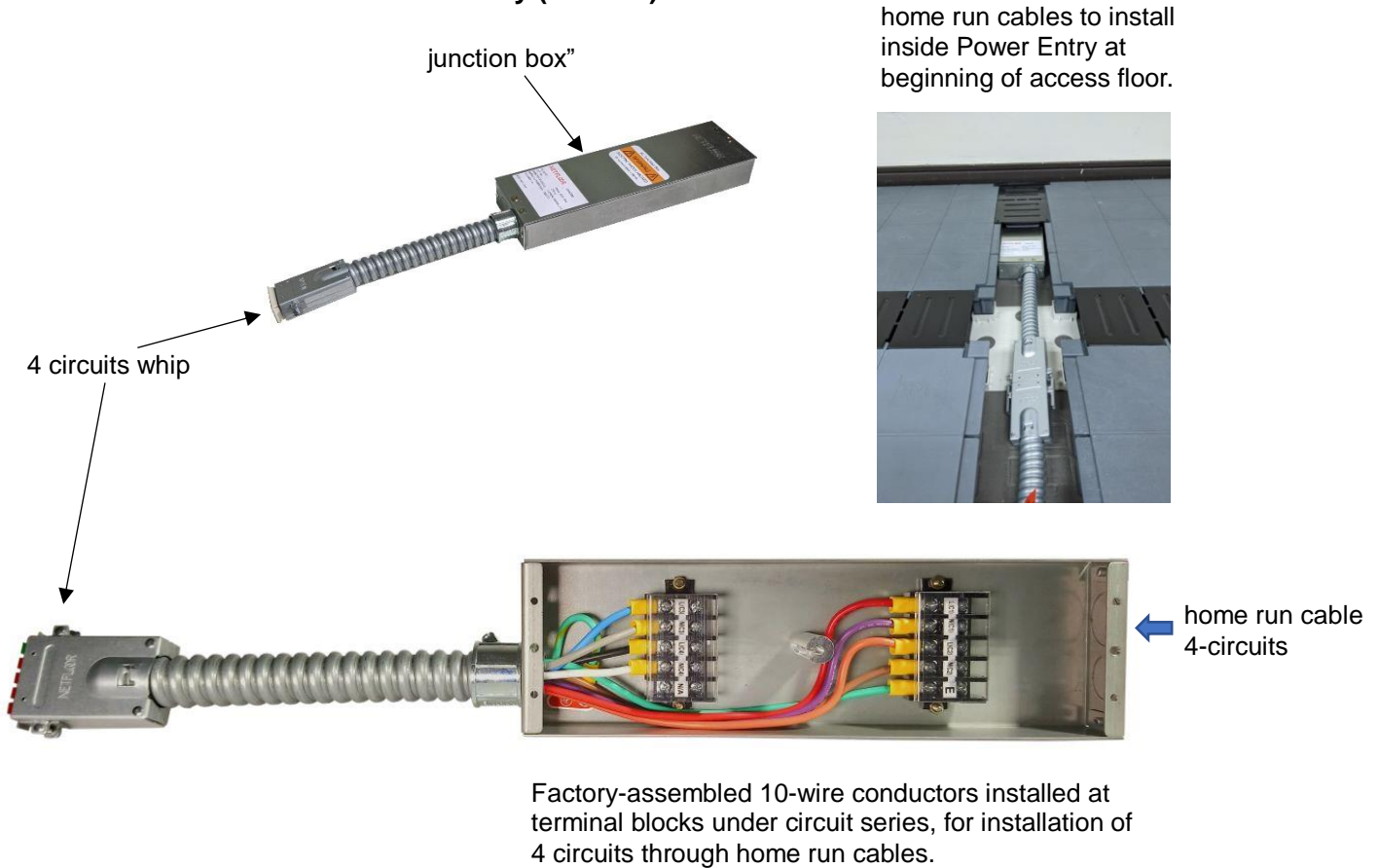
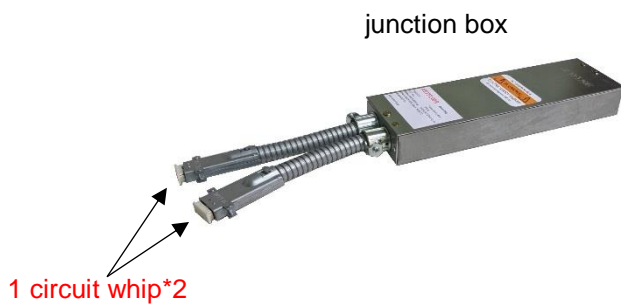## 2. "Power-Entry" starts at beginning of access floor

Run cables from electrical panel to access floor as beginning of ZoneTeq systems. The Power Entries are available for 4 circuits (ZPE-4C), 2 circuits (ZPE-2C), and 1 circuit (ZPE-1C). The electrician to establish the circuit/circuits in accordance with circuit number remarked on the terminal blocks in the junction box.

2A: Four Circuits Power Entry (ZPE-4C)

junction box"

4 circuits whip

home run cables to install inside Power Entry at beginning of access floor.

home run cable 4-circuits

Factory-assembled 10-wire conductors installed at terminal blocks under circuit series, for installation of 4 circuits through home run cables.

2B: Two Circuits Power Entry (ZPE-2C)

junction box

1 circuit whip*2

2C: One Circuit Power Entry: (JPE-1C)

junction box

1 circuit whip

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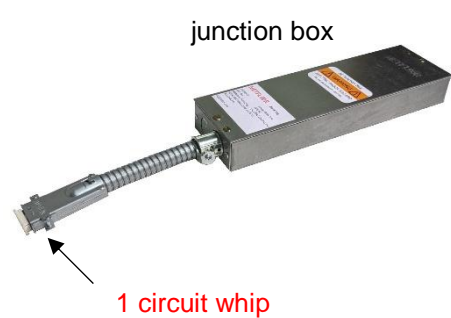
III   POWER DISTRIBUTION

Distribute power from "Power Entry" by means of Zone Boxes and Jumpers.
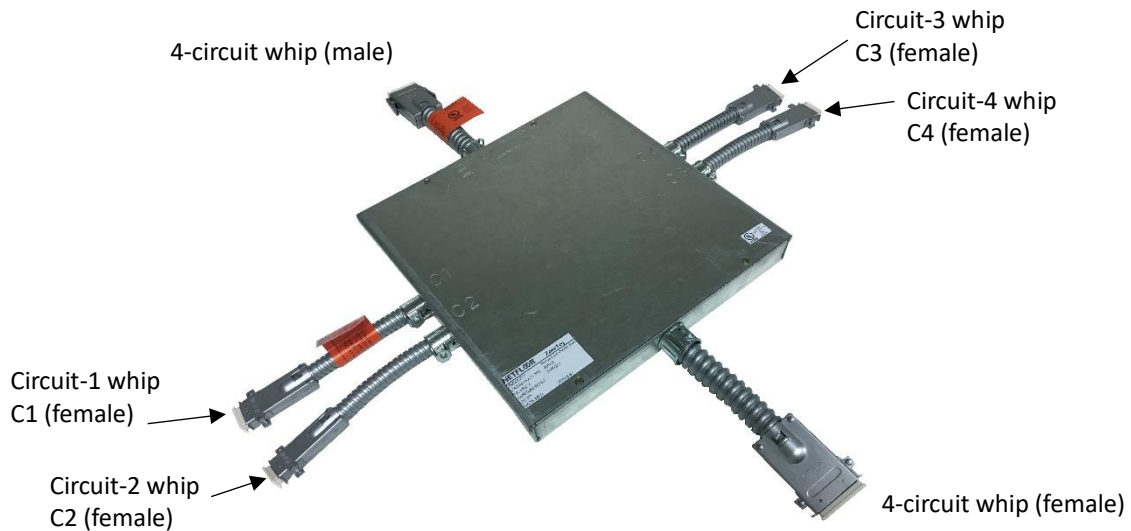
Connection and extension of Zone Boxes and Jumpers are matter of plug & play.

There is no cutting, nor sheathing during whole process of connection and extension.

1. 4-circuits to 1-circuit distribution box (Zone Box) (ZP401)

1A: 4-circuit male and female connector: Plug 4 circuit jumper to serial every Zone Box.

1B: 1-circuit female connector (C1 to C4): Plug 1-circuit jumper to electrical points


Circuit-3 whip
C3 (female)

Circuit-4 whip
C4 (female)

4-circuit whip (male)

Circuit-1 whip
C1 (female)

Circuit-2 whip
C2 (female)

4-circuit whip (female)

2: 4-circuit Jumper

Connect 4-circuit female whip, extend power to next Zone Box.

10-port connector
(female)

Conduit 3/4"
(10-wires inside)

10-port connector
(male)

3: 1-circuit Jumper

connect 1-circuit whip (C1, C2, C3, C4) of Zone Box, to run power to floor boxes, wall-mount receptacles.

3-port connector
(female)

Conduit 9/16"
(3 wires)

3-port connector
(male)
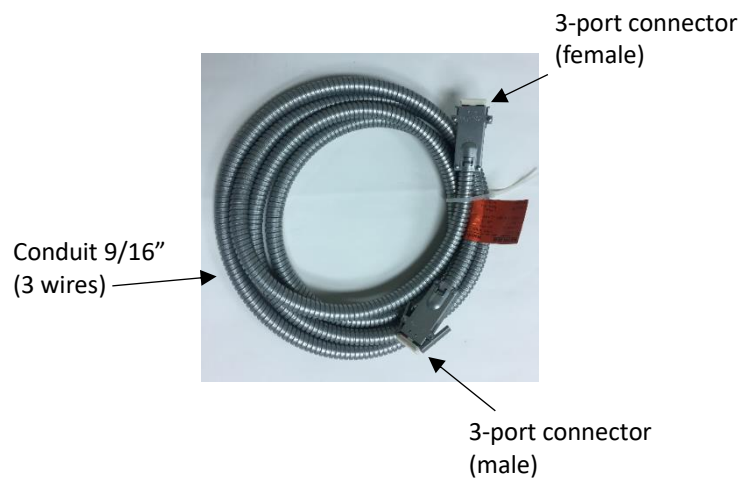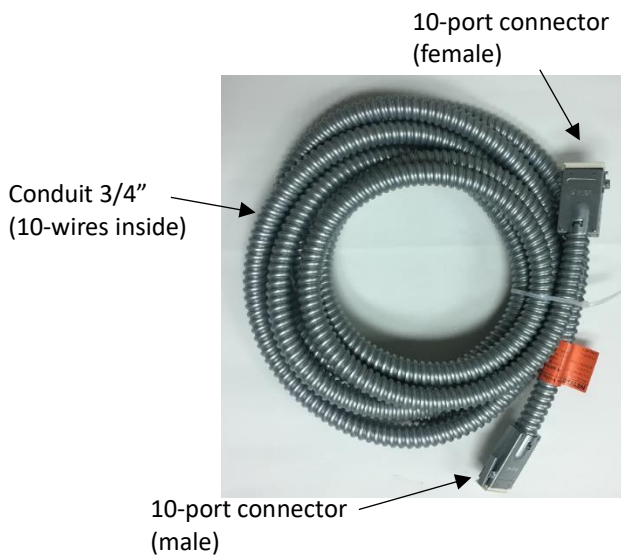
IV   ELECTRICAL POINTS 125V 20A / 220V 20A /220V 15A
Floor Boxes and Wall-Mount Receptacles

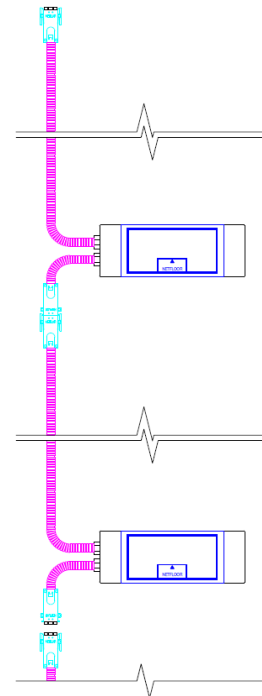**Floor boxes installed on cable trenches**
accommodate 2 to 4 power receptacles

1. SE403EXT**:** 40mm H, 125V 20A

Series connection and extension: 2 whips,

1 female and 1 male connector

1 duplex receptacle, 3 data jack face plate.

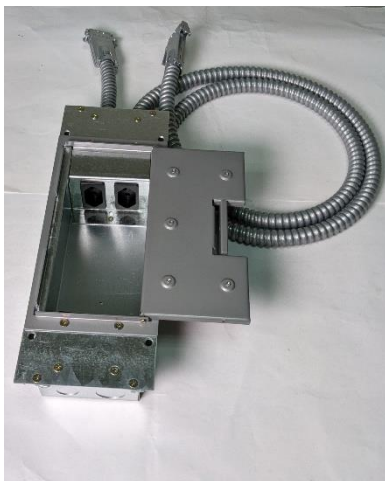Or 2 duplex receptacles at 2 sides of box.

Floor boxes series connection,
installed on cable trenches
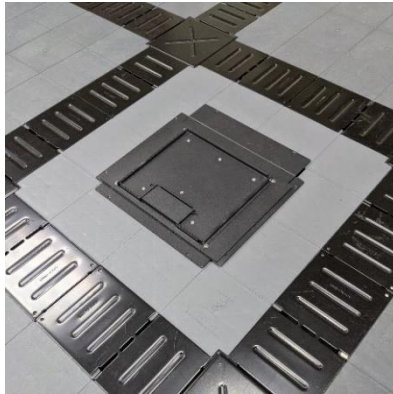

2. SE603EXT**:** 60mm H

Series connection and extension: 2 whips,

, 1 female and 1 male connector

2   Receptacles accommodation:

2 receptacles, face plate for 3 data jacks.

one duplex receptacle 220V 13A for BS

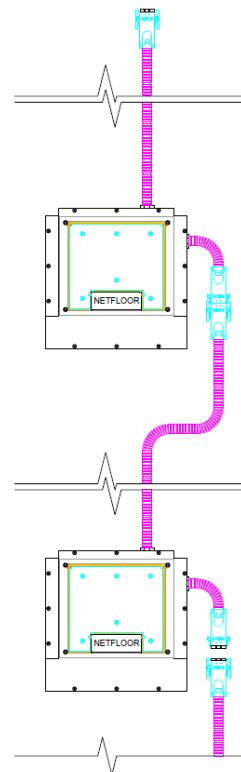two 220V 20A/15A for EU, Brazil, etc.

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Floor boxes installed on middle of access panels

accommodate 4 to 6 power receptacles

Floor boxes series connection installed at mid of access panels

3. SE40EXT: 40mm H, 125V 20A
    Series connection and extension
    2 whips, 1 female and 1 male connector
    2 duplex receptacles, 4 data jack face plate.


4. SE60EXT: 60mm H, 220V

    Series connection and extension

    4 receptacles, face plate for 3 data jacks.

    Duplex 220V 13A receptacle for BS

    Two 220V, 20A/15A for EU, Brazil, etc.

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Wall-Mount receptacles through access floor onto wall

5. Wall-mount outlets with female & male whips:
    SE403DXT-4R (two duplex receptacles) and SE403DXT-2R (1 duplex receptacles)

    Supply power from raised onto wall, series connection of receptacles suitable for using
    at library, museums, schools, commercial and recreational environments.
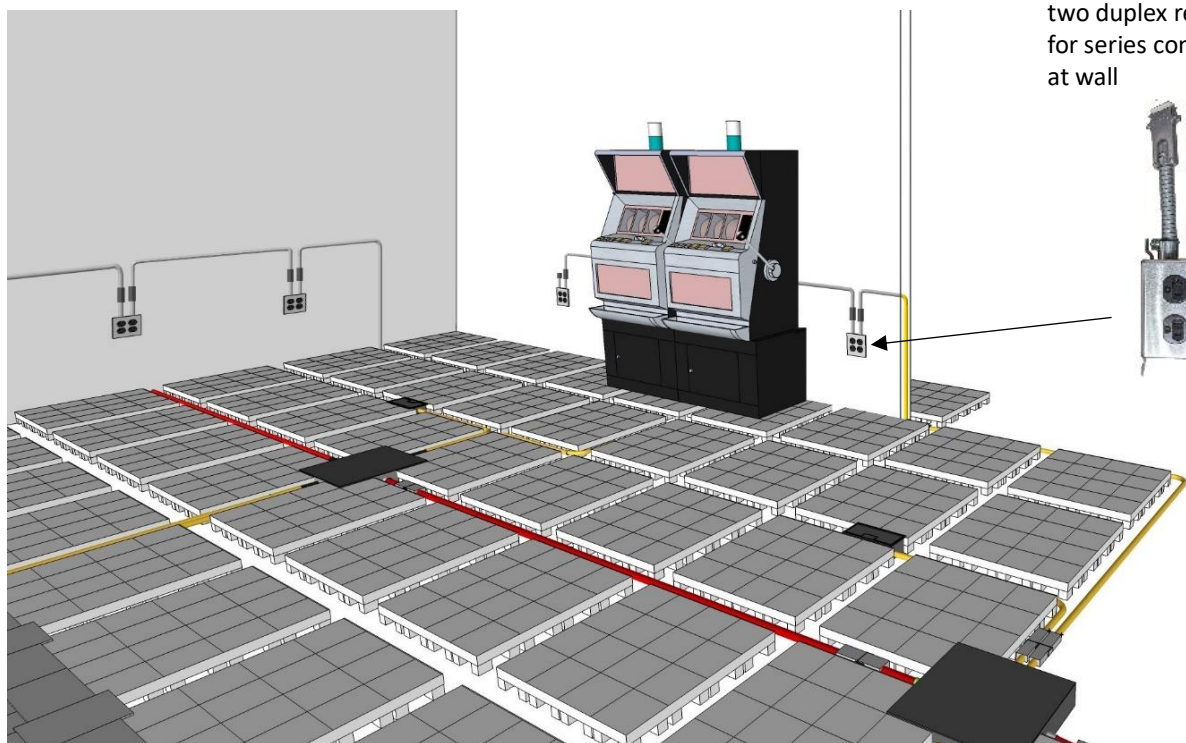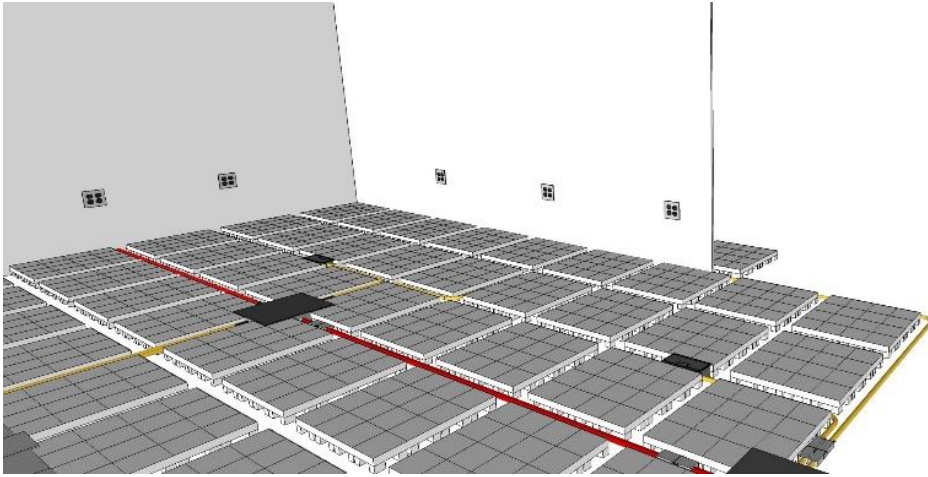
SE403DXT-4R with
two duplex receptacles
for series connection
at wall

ZoneTeq

SPECIFICATIONS

1. POWER ENTRY

From electrical panel:	DESCRIPTION	
ZPJ-10PFE	Connector	10 port female connector
	Circuit	4
	Conduit Fitting	trade size 3/4"(21mm)
	Electrical wire	stranded wire*10 (4L/4N/2E)
	Total length	6.15 ft (1.87m)
	Wire length	5.24 ft (1.6m)
	Set location	electrical panel
	Certification	UL Listed: E487237

ZPJ-3PFE-F	Connector	3 port female connector
	Circuit	1
	Conduit Fitting	trade size 1/2"(16mm)
	Electrical wire	stranded wire*3 (1L/1N/1E)
	Total length	6.15 ft (1.87m)
	Wire length	5.24 ft (1.6m)
	Set location	electrical panel
	Certification	UL Listed: E487237

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Start from beginning of access floor:

ZPE-4C	Connector:	10 port female connector
	Circuit:	4
	Connection method	barrier terminals block *2
	Knockout(sides)	1*1/2" & 1*3/4" (1*16 & 1*21mm)
	Box Dimension	W: 3.4" L: 11.6" H: 1.57"(88*296*40 mm)
	Set location	beginning of access floor
	Certification	assembled of UL listed components

ZPE-2C	Connector:	two 3-port female connector
	Connection method	barrier terminals block *1
	Knockout (sides)	1*1/2" & 1*3/4" (1*16 & 1*21mm)
	Box Dimension	W: 3.4" L: 11.6" H: 1.57"(88*296*40 mm)
	Set location	beginning of access floor
	Certification	assembled of UL listed components

ZPE-1C	Connector:	One 3-port female connector
	Connection method	barrier terminals block *1
	Knockout (sides)	1*1/2" & 1*3/4" (1*16 & 1*21mm)
	Box Dimension	W: 3.4" L: 11.6" H: 1.57"(88*296*40 mm)
	Set location	beginning of access floor
	Certification	assembled of UL listed components

2. POWER DISTRIBITON

ZONE BOX ZP401	Connector:	10 port male connector *1
		10 port female connector *1
		3 port female connector *4
	Circuit:	10-port 4 circuits / 3-port 1 circuit
	Dimension	W: 30.7" L: 30.7" H: 1.57"
		(780*780*40 mm)
	Certification	UL Listed: E487237

JUMPER ZPJ-10P	Connector:	10-port female and male connector
	Circuit:	4 circuits
	Conduit:	3/4" (20mm)
	Electrical wire	10
	Certification	UL Listed: E487237
	ZPJ-10P20	20 ft, (6.11M)
	ZPJ-10P12	12 ft, (3.65M)
	ZPJ-10P06	6 ft, (1.81M)

JUMPER ZPJ-3P	Connector:	3-port female and male connector
	Circuit:	1
	Conduit:	9/16" (14mm)
	Electrical wire	3
	Certification	UL Listed: E487237
	length and weight:	
	ZPJ-3P12	12 ft(3.65M)
	ZPJ-3P06	6 ft (1.81M)

SPLITTER ZP402	Connector:	3-port male & two 3-port female
	Circuit:	1
	Description	distribute 1 port to 2 port
	Dimension	W: 3.9" L: 4.1" H: 0.5"
		(100*105*13 mm)
	Certification	UL Listed: E487237

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SE403EX	Connector:	3-port **male** connector
	Conduit:	9/16 inch (14mm)
	Whip length:	male 5.36 ft (1.63m)
	Box Dimension	12.59"x4.52"x1.57"(320 x 115 x 40mm)
	Faceplate	125V/20A duplex receptacle*1, Keystone*3
	Certification	UL Listed: E487237
SE403EXT Part No: SE403EX62-2R SE403EX62-4R 	Connector:	3 port **male/female** connector
	Conduit:	9/16 inch (14mm)
	Whip length:	male 5.36 ft (1.63m), female 1.64 ft(0.5m)
	Box Dimension	12.59"x4.52"x1.57"(320 x 115 x 40mm)
	Faceplate	SE403EX62-2R: 125V/20A duplex receptacle*1, Keystone*3 SE403EX62-4R: 125V/20A duplex receptacles*2
	Certification	UL testing
SE60EXT 	Connector:	3 port male/female connector
	Conduit:	9/16 inch (14mm)
	Whip length:	male 5.36 ft (1.63m), female 1.64 ft(0.5m)
	Box Dimension	12.59"x4.52"x2.36"(320 x 115 x 60mm)
	Faceplate	Receptacle*2 (for BS / BR / EU.) Keystone depends on receptacle type
	Certification	All receptacles are certified at each nation

Installed at middle of access floor panel

SE40EXT-6R&4R2J	Connector:	3 port male connector
	Conduit:	9/16 inch (14mm)
	Whip length:	male 5.36 ft (1.63m), female 55cm
	Box Dimension	8.74"x9.8"x1.57"(222 x 250 x 40 mm)
	Face plate	SE40EXT-4R2J: 125V/20A duplex receptacle*2, for Keystone*4
		SE40EX-6R: 125V/20A duplex receptacle*3
	Certification	All receptacles are certified at each nation.
SE60EXT-4R4J	Connector:	3 port male connector
	Conduit:	9/16 inch (14mm)
	Whip length:	male 5.36 ft (1.63m), female 0.55m
	Box Dimension	8.74"x9.8"x2.36"(222 x 250 x 60 mm)
	Face plate	2-4 power socket: BS / BR / EU… data docket: 2 or 6
	Certification	All receptacles are certified at each nation.

4. WALL-MOUNT RECEPTACLES

SE403DX-2R / SE403DX-4R	Connector:	3 port male connector
	Conduit:	9/16 inch (14mm)
	Whip length:	5.36 ft (1.63m)
	Box Dimension	4" x 4" x 1-1/2"
	Receptacle	125V/20A duplex receptacle*1 125V/20A duplex receptacle*2
	Certification	UL Listed: E521206
	Connector:	3 port male connector
SE403DXT-2R/ SE403DXT-4R	Conduit:	9/16 inch (14mm)
	Whip length:	Male / female: 8" (200mm)
	Box Dimension	4" x 4" x 1-1/2 inch
	Receptacle	125V/20A duplex receptacle*1 125V/20A duplex receptacle*2
	Certification	UL testing

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ZPJ-3PFE

Connector:	3 port male connector
Conduit:	9/16 inch (14mm)
Conduit Fitting :	trade size 1/2" (16mm)
Electrical wire	3
Total length:	4.92 ft (1.5m)
Wire length:	3.28 ft (1.0m)
Certification	UL Listed:E487237

Specifications

Systems:	ZoneTeq Modular Wiring System
Manufacturer:	Netfloor, Inc.
Wire Gage:	12 AWG copper wire.
Cover Material:	Galvanized steel.
Power:	120-240V, 15A-20A
Country of Origin:	Taiwan
UL listed	E487237 / E521206
Warranty:	5 year warranty.

In pursuing continuous product improvement, the manufacturer reserves the right to amend specifications without prior notice.

www.zoneteq.com

a product division of Netfloor, Inc.
www.netfloor.com

July 25, 2023