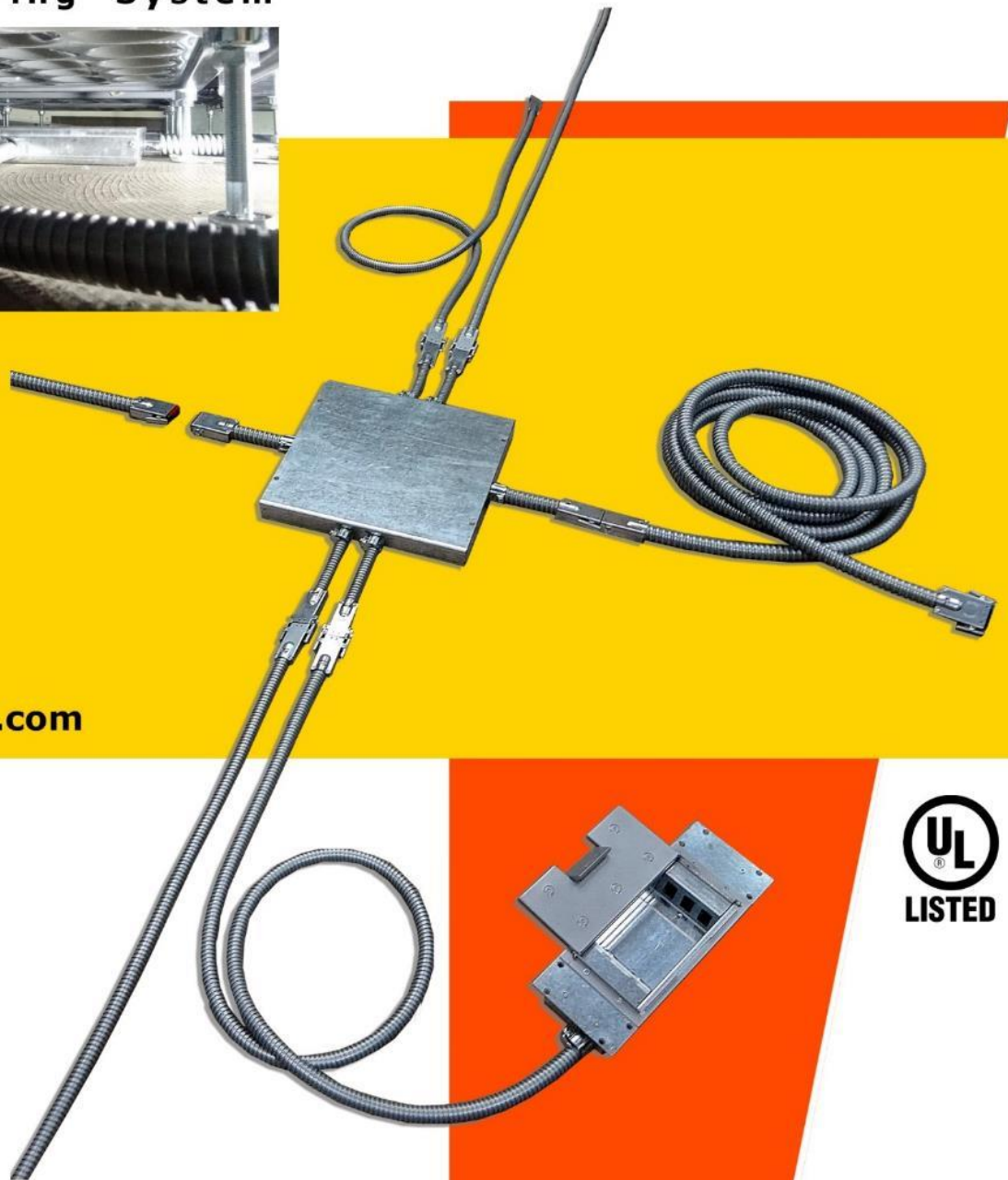**NETFLOOR**®

ZoneTeq series
Modular Wiring System

www.zoneteq.com

UL LISTED

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

ZoneTeq Modular Wiring System

ZoneTeq is an innovative modular wiring system (MWS) which 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 the system just "matter of **unplug**".

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

Jumpers connect zone boxes, floor boxes under access floor.
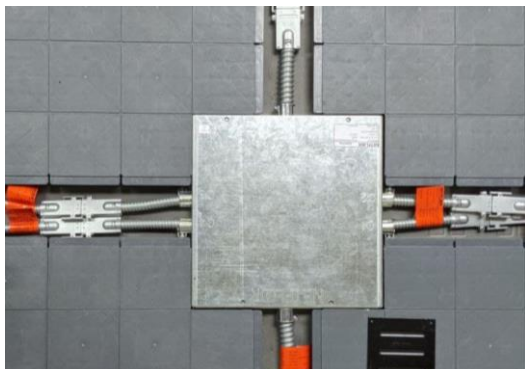
ZoneTeq MWS accommodates Netfloor ECO series low-profile access floors.

Complete range of floor boxes and wall-mount receptacles serving at user's points.

ZoneTeq

Applicable and Sustainable Solutions

Modern 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.
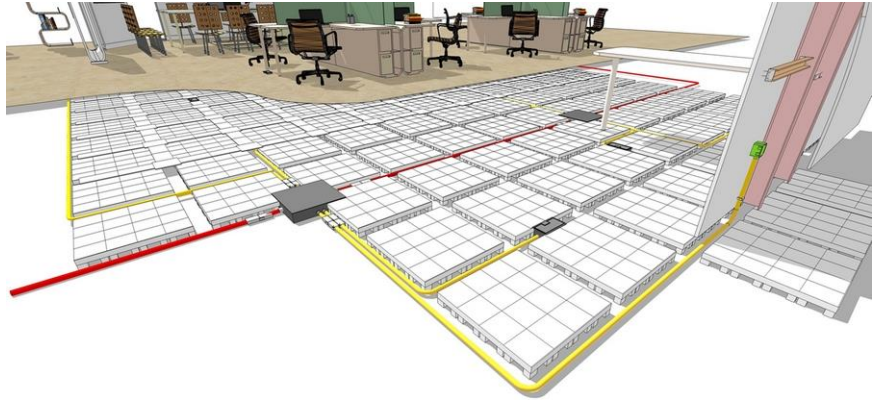

Education, Military, Public Services:

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 series receptacles such as at casinos, fitness centers, game rooms, coffee shops, etc.


wall-mount outlets

series connection floor boxes
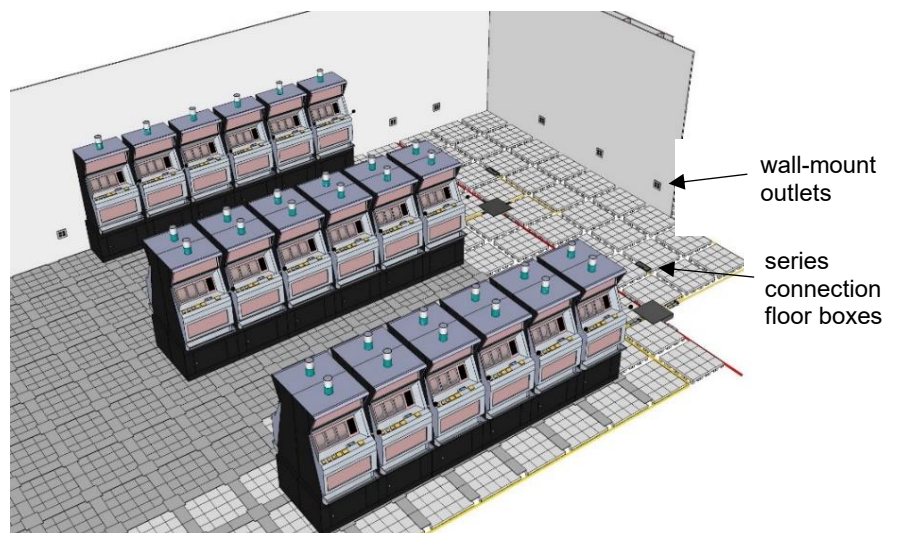
I.   MODULARIZED CIRCUITS
ZoneTeq 4 Circuits, 2 circuits, 1 circuit

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) Connect 10 wires **ZPJ-10PFE** inside electrical panel
   (2) Connect 4 circuit Jumper onto Power Entry, to extend to Zone Box (ZP401)
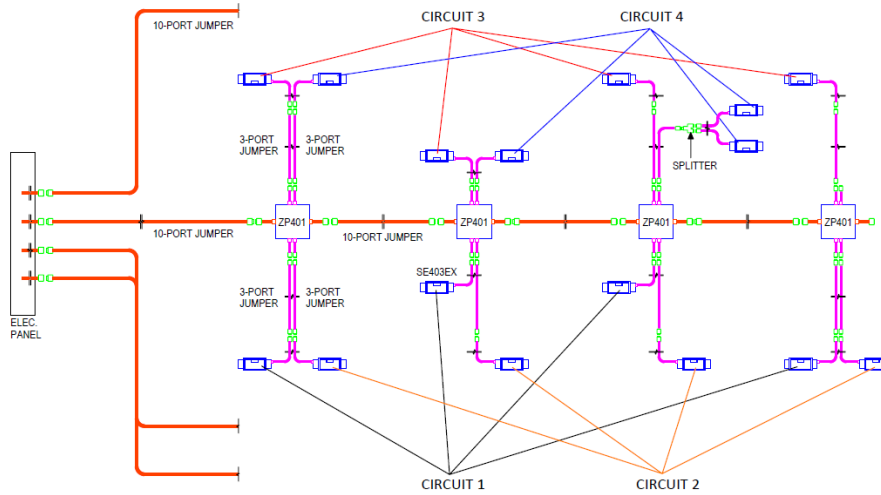
   1B: Install Power Entry (ZPE-4C) at beginning of Access Floor
   (1) Run 9 wires (4 circuits) from electrical panel to beginning of access floor.
   (2) Install the 4 circuit at ZPE-4C, to establish 4 circuits, distribute through ZP401

3
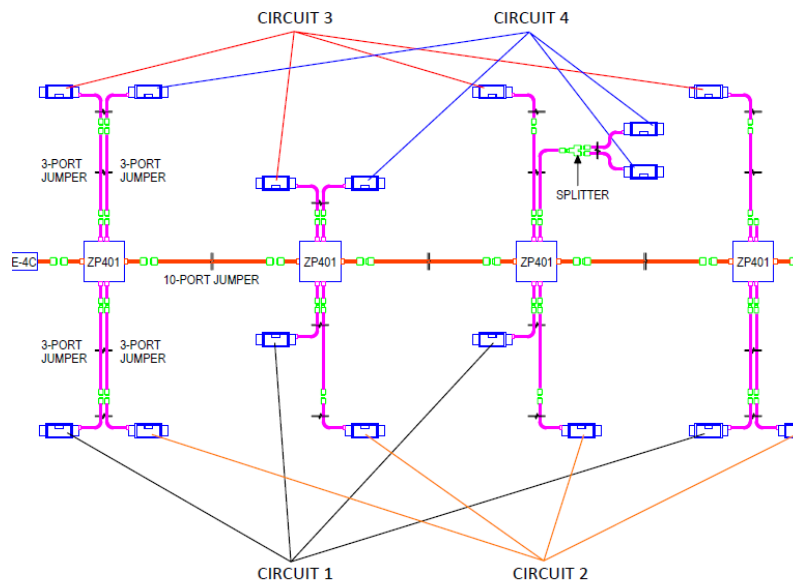
2. **ZoneTeq 2-circuits:** 2 live, 2 neutral and 1 ground from electrical panel.
    Follow ZoneTeq electrical plan to deploy SE403EXT floor boxes.
    There are 3 steps of installation.
    (1): Run 2 circuits from electrical panel to beginning of access floor.
    (2) Install the 2 circuits at Power Entry ZPE-2C at beginning of access floor.
   (3) Series connection of floor box SE403EXT per electrical plan of each circuit.
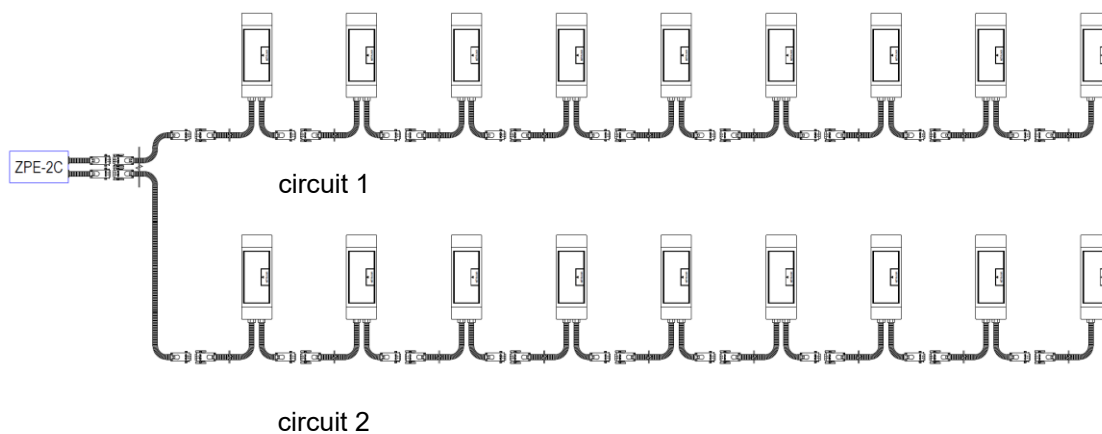
circuit 1

circuit 2

3. **ZoneTeq 1-circuit:** 1 live, 1 neutral and 1 ground modular wiring system.
    Follow ZoneTeq electrical plan to deploy SE403EXT floor boxes.
    There are 3 steps of installation.
    (1) Run 1 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 floor box SE403EXT per electrical plan.
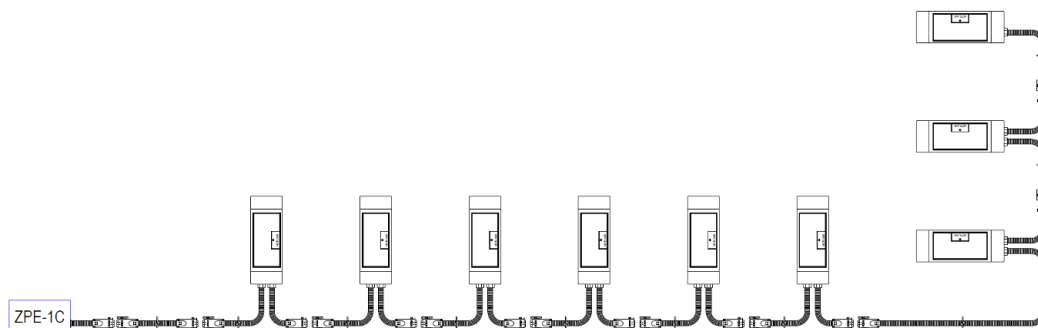
ZoneTeq

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 wiring 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

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 circuit jumper starting from electrical panel.
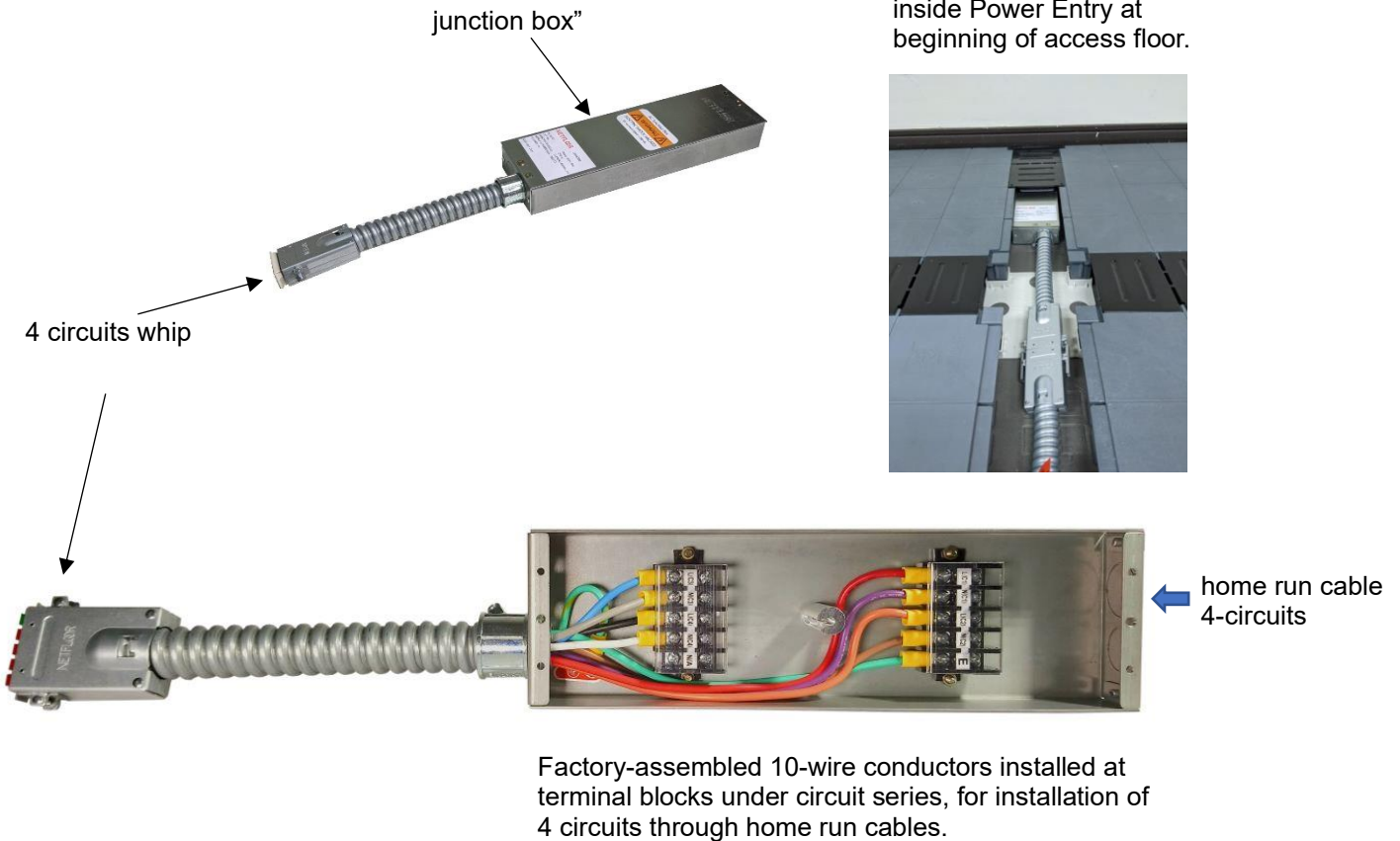
ZoneTeq

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"

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

4 circuits whip

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

junction box

junction box

1 circuit whip*2

1 circuit whip
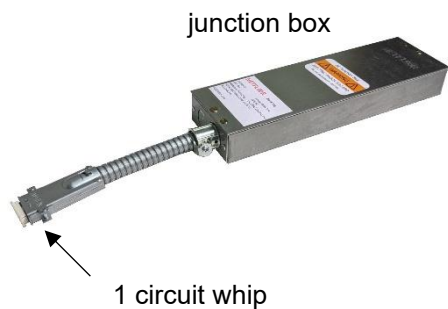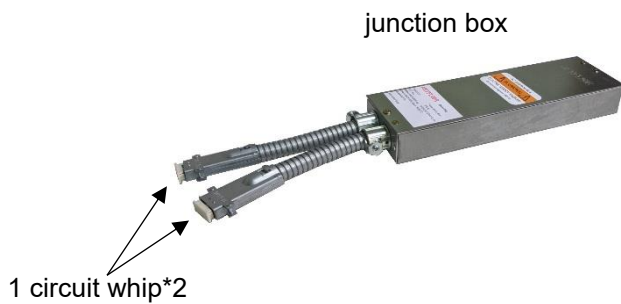
III   POWER DISTRIBUTION

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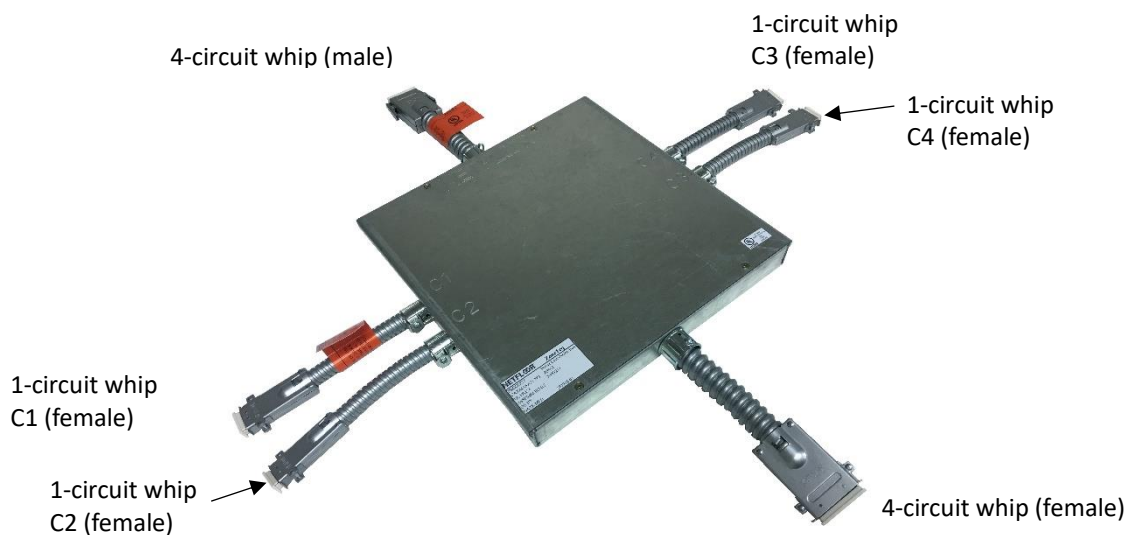
1A: 4-circuit male and female connector: Plug 4 circuit jumper to serial every Zone Box.

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

4-circuit whip (male)

1-circuit whip
C3 (female)

1-circuit whip
C4 (female)

1-circuit whip
C1 (female)

1-circuit whip
C2 (female)

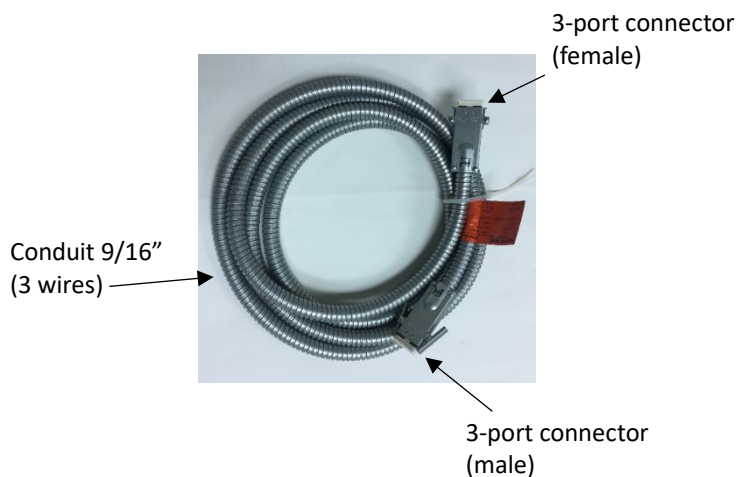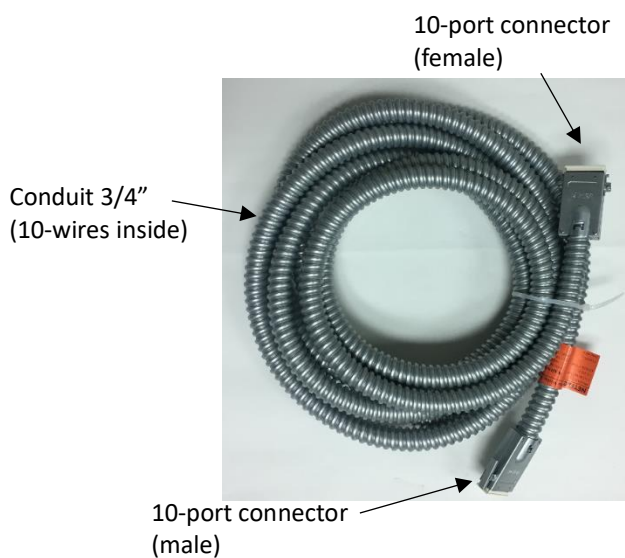4-circuit whip (female)

2: 4-circuit Jumper

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

3: 1-circuit Jumper

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

10-port connector
(female)

Conduit 3/4"
(10-wires inside)

10-port connector
(male)

3-port connector
(female)

Conduit 9/16"
(3 wires)

3-port connector
(male)

IV   ELECTRICAL POINTS 120V 20A
Floor and Wall-Mount Boxes

1. SE403EX**:** floor box with jumper
   (duplex receptacle)

SE403EXT
series connection
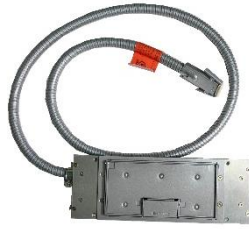
2.   SE403EXT**:** Series connection floor box
   (duplex receptacle, male & female connectors)
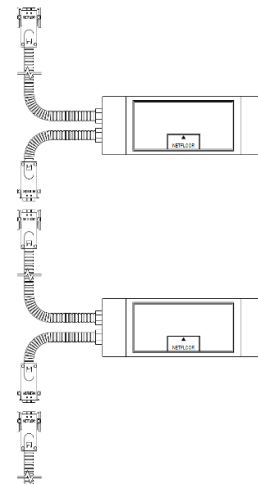
3.   SE403EXP-6R/4R: 3-gang or 2-gang floor boxes
   with jumper

4.   SE403DX-4R/2R**:** 2-gang or 1-gang wall outlet with
   jumper
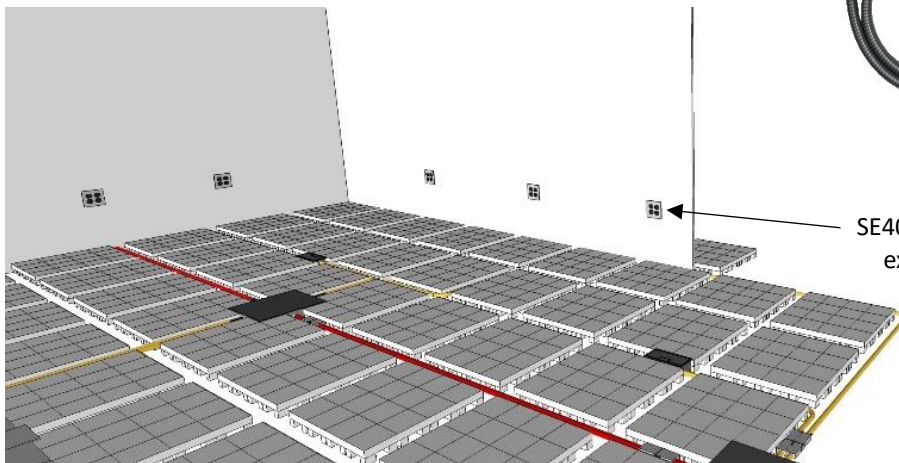
SE403DX (two duplex /one duplex)
extended from access floor
onto wall

8

V   PRODUCTS SPECIFICATION

1. POWER ENTRY

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
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
UL Listed	E487237

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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
UL testing	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
UL testing	assembled of UL listed components

ZPE-1C

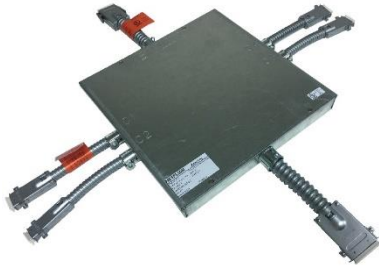|	
Connector:	One 3-port female connector
Connection method	barrier terminals block *1
Knockout (sides)	1*1/2" & 1*3/4" (1*16 & 1*21mm)
Box Dimension	W: 3.4" L: 11.6" H: 1.57"(88*296*40 mm)
Set location	beginning of access floor
UL testing	assembled of UL listed components

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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)
	UL Listed	E487237

JUMPER **ZPJ-10P**	Connector:	10-port female and male connector
	Circuit:	4 circuits
	Conduit:	3/4" (20mm)
	Electrical wire	10
	UL Listed	E487237
	ZPJ-10P20	20 ft, (6.09M)
	ZPJ-10P12	12 ft, (3.65M)
	ZPJ-10P06	6 ft, (1.82M)
	ZPJ-10P03	3 ft, (0.91M)

JUMPER **ZPJ-3P**	Connector:	3-port female and male connector
	Circuit:	1
	Conduit:	9/16" (14mm)
	Electrical wire	3
	UL Listed	E487237
	length and weight:	
	ZPJ-3P12	12 ft(3.65M)
	ZPJ-3P06	6 ft (1.82M)

SPLITTER **ZPS402**	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)
	UL Listed	E487237

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3. ELECTRICAL POINT BOXES

SE403EX

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Whip length:	5.36 ft (1.63m)
Box Dimension	12.59"x4.52"x1.57"(320 x 115 x 40mm)
Receptacle	duplex receptacle, 120V/20A
Keystone jack	3
UL Listed	E487237

SE403EXT

Connector:	3-port male/female connector
Conduit:	9/16 inch (14mm)
Whip length:	male 5.36 ft (1.63m), 1.64 ft(0.5m)
Box Dimension	12.59"x4.52"x1.57"(320 x 115 x 40mm)
Receptacle	Duplex receptacle, 120V/20A
Keystone jack	3
UL testing	assembled of UL listed components

SE403EXP-6R&4R2J

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Whip length:	5.36 ft (1.63m)
Box Dimension	8.74"x9.8"x1.57"(222 x 250 x 40 mm)
Face plate	Receptacle*6 or Receptacle*4 & Key stone*2
Receptacle	Duplex receptacle, 120V/20A
UL testing	assembled of UL listed components

SE703EXP-4R4J

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Whip length:	5.36 ft (1.63m)
Box Dimension	8.74"x9.8"x2.75"(222 x 250 x 70 mm)
Face plate	duplex receptacle*4, face plate for data port
Receptacle	Duplex receptacle, 120V/20A
UL testing	assembled of UL listed components

4. BOX FOR BS / EC / US

SS603EX, SS603EX-BS

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Whip length:	5.36 ft (1.63m)
Box Dimension	12.59"x4.52"x2.36"(320 x 115 x 60mm)
Power Sockets	240V 13A for BS, 250V 16A for EC, 120V 20A for US

SE803EXP-4R4J

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Whip length:	5.36 ft (1.63m)
Box Dimension	7.87"x9.13"x3.15"(200 x 232 x 80 mm)
Power Socket	240V 13A for BS, 250V 16A for EC, 120V 20A for US

SE60EX, SE60EX-BS, SE60EX-EC

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Whip length:	5.36 ft (1.63m)
Box Dimension	9.9"x8.66"x2.36"(252 x 220 x 60 mm)
Power Socket	240V 13A for BS, 250V 16A for EC, 120V 20A for US

ZoneTeq

5.   WALL-MOUNT RECEPTACLES

SE403DX

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	duplex receptacle, 120V/20A
UL Listed	E521206

SE403DX-2D

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 inch
Covers	Raised 1/2"
Receptacle	duplex receptacle*2, 120V/20A
UL Listed	E521206

6.   FREE END TO DESKTOP, FACILITIES, OR WALL RECEPTACLES

ZPJ-3PFE

Connector:	3-port male connector
Conduit:	9/16 inch (14mm)
Conduit Fitting :	trade size 1/2" (16mm)
Electrical wire	3
Total length:	6.15 ft (1.87m)
Wire length:	3.28 ft (1.0m)
UL Listed	E487237

<u>Specifications</u>

Systems: ZoneTeq Modular Wiring System

Manufacturer: Netfloor, Inc.

Wire Gage: 12 AWG copper wire.

Conduit: flexible metal conduit, Galvanized steel.

Power: 240/120V 20Amp

Country of Origin: Taiwan

UL listed   E487237.

Warranty: 5 years limited 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

June. 15, 2021