

FEATURES:

Applications

- Benching systems
- Training tables
- Desks
- Panel systems
- Below surface



Starter Option Specifications

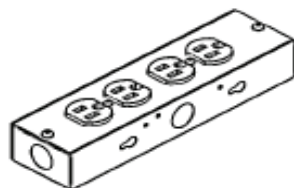
- Flex Cable Lengths: 12" Min -180" Max
- SOW Cord: 0.59 Round
- 4 Wire Diameter: 3/8" Round Trade Size
- 8 Wire Diameter: 9/16" Round Trade Size
- Galvanized Steel; #10 AWG Super Neutral in 8 Wire 4 Circuit; #12 AWG in all Other Systems
- Insulation: THHN, THWN Rated 600V

Interconnecting Cable Specifications

- Cable Lengths Available in 1" Increments
- 4 Wire Diameter: 3/8" Round Trade Size
- 8 Wire Diameter: 9/16" Oval Trade Size
- #10 AWG Super Neutral in 8 Wire 4 Circuit; #12 AWG in all Other Systems
- Metal Flex made of Galvanized Steel

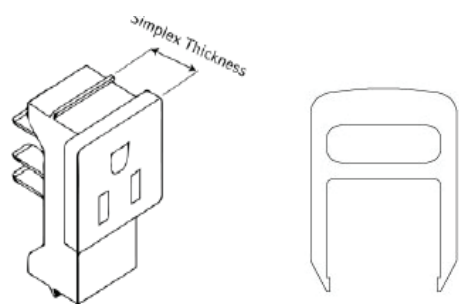
Junction Box Specifications

- 4 Keyhole Slots for Mounting Option
- 6 Cuts Outs for Infeed Cable or Wiring
- 78 JB is NYC Compliant as Infeed Cover
- JCT-4P-B Chicago-Compliant and ETL Listed for US and Canada (Shown Below)



Simplex Specifications

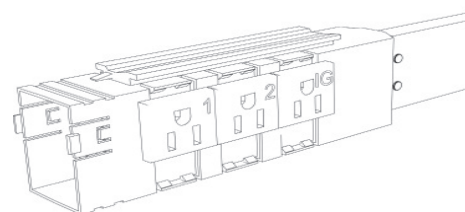
- For Open Air Applications Default to Simplex Size 150
- For Enclosed Applications (i.e. benching systems): Determine desired simplex thickness then Select Corresponding Simplex Size
- 150-225 Simplex Sizes are used in Single-Sided Power Modules
- 250-325 Simplex Sizes are used in Double Sided Power Modules
- Sizing Includes: 0.20" = 150, .30" = 175, .45" = 200, .58" = 225, .80" = 275, .89" = 300, 98" = 325



Power Modules & Mounting Brackets

(See 8 Wire Modular Brochure for Module Details)

- TriPlex Double-Sided Type AA Compatible with 8 Wire 3 Circuit System or 8 Wire 4 Circuit (3+1)
- Double Duplex Double-Sided Type AA Compatible with 8 Wire 3 Circuit System, 8 Wire 4 (3+1) Circuit System, or 8 Wire 4 Circuit (2+2) System
- TriPlex Single-Sided Type SA Compatible with 8 Wire 3 Circuit System or 8 Wire 4 Circuit System (3+1)
- Double Duplex Single Sided Type SA Compatible with 8 Wire 3 Circuit System, 8 Wire 4 Circuit System, or 8 Wire 4 Circuit (2+2)
- TriPlex Single-Sided Type SAE Compatible with 8 Wire 3 Circuit or 8 Wire 4 Circuit (3+1)
- Double Duplex Single-Sided Type SAE Compatible with 8 Wire 3 Circuit, 8 Wire 4 Circuit (3+1) and (2+2)
- Mounting Brackets (Double-Sided Only) accommodate U channel and "I" Beam Panel Configurations



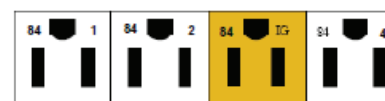
8 WIRE, 3 CIRCUIT DOUBLE DUPLEX

EXTRA POSITION AVAILABLE.
2 UTILITY CIRCUITS EACH HAVE A NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



8 WIRE, 4 CIRCUIT DOUBLE DUPLEX

UTILITY CIRCUITS (1,2,4) SHARE A #10 AWG SUPER NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



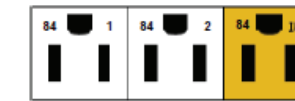
4 WIRE, 2 CIRCUIT DUPLEX

2 UTILITY CIRCUITS SHARE A NEUTRAL AND GROUND



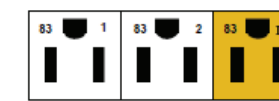
8 WIRE, 4 CIRCUIT TRIPLEX

3 UTILITY CIRCUITS (1,2,4) SHARE A #10 AWG SUPER NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



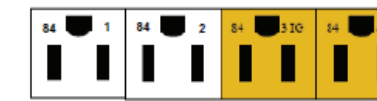
8 WIRE, 3 CIRCUIT TRIPLEX

2 UTILITY CIRCUITS EACH HAVE A NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



8 WIRE, 4 CIRCUIT (2+2) ISOLATED DOUBLE DUPLEX

2 UTILITY CIRCUITS HAVE A SHARED NEUTRAL AND GROUND.
2 DEDICATED CIRCUITS SHARE A NEUTRAL AND A GROUND.



DESCRIPTION

DIMENSIONS

PART NUMBER

Power Modules -

Single Sided Triplex Type SA

- 8 wire 3 circuit — 2 utility share ground + 1 isolated
- 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated

7.96" x 1.03" x 2.35"
7.96" x 1.03" x 2.35"

83 SA
84 SA

Note: Single sided power blocks ONLY compatible with size 150 receptacles

Power Modules -

Single Sided Double Duplex Type SA

- 8 wire 3 circuit — 2 utility share ground + 1 isolated
- 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated
- 8 wire 4 circuit — 2 utility share neutral and ground + 2 isolated share neutral and ground

9.30" x 1.03" x 2.35"
9.30" x 1.03" x 2.35"
9.30" x 1.03" x 2.35"

834 SA
844 SA

8422 SA

Note: Single sided power blocks ONLY compatible with size 150 receptacles

Power Modules -

Single Sided Triplex Type SAE

- 8 wire 3 circuit — 2 utility share ground + 1 isolated
- 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated

7.07" X 1.03" X 2.84"
7.07" X 1.03" X 2.84"

83 SAE
84 SAE

Note: Single sided power blocks ONLY compatible with size 150 receptacles

Power Modules -

Single Sided Double Duplex Type SAE

- 8 wire 3 circuit — 2 utility share ground + 1 isolated
- 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated
- 8 wire 4 circuit — 2 utility share neutral and ground + 2 isolated share neutral and ground

8.4" X 1.03" X 2.84"
8.4" X 1.03" X 2.84"
8.4" X 1.03" X 2.84"

834 SAE
844 SAE

8422 SAE

Note: Single sided power blocks ONLY compatible with size 150 receptacles

| DESCRIPTION | DIMENSIONS | PART NUMBER |
|-------------|------------|-------------|
|-------------|------------|-------------|

**Power Modules -
Double Sided Triplex Type AA**

| | | |
|--|-----------------------|-------|
| • 8 wire 3 circuit — 2 utility share ground + 1 isolated | 7.07" x 1.50" x 2.48" | 83 AA |
| • 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated | 7.07" x 1.50" x 2.48 | 84 AA |

Note: Six simplexes required—all simplex sizes will fit in an AA block

**Power Modules -
Double Sided Double Duplex Type AA**

| | | |
|---|-----------------------|---------|
| • 8 wire 3 circuit — 2 utility share ground + 1 isolated | 8.40" x 1.50" x 2.48" | 834 AA |
| • 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated | 8.40" x 1.50" x 2.48" | 844 AA |
| • 8 wire 4 circuit — 2 utility share neutral and ground + 2 isolated share neutral and ground | 8.40" x 1.50" x 2.48 | 8422 AA |

Note: Eight simplexes required—all simplex sizes will fit in an AA block

**Simplexes-
System 83**

| | | |
|---------------------------|--------|----------------|
| • Circuit 1 black | Black | 83 S1-BL-150 |
| • Circuit 2 black | Black | 83 S2-BL-150 |
| • Circuit 3 black | Black | 83 S3-BL-150 |
| • Isolated Circuit orange | Orange | 83 S3IG-OR-150 |
| • Blank black | Black | 83 SB-BL-150 |

Available sizes: 150, 175, 200, 225, 250, 275
Change last 3 digits in the part number to specify simplex size. 150 is standard.
Grey Simplexes Available. Change "BL" in part number to "GR".

**Simplexes-
System 84**

| | | |
|---------------------------|--------|----------------|
| • Circuit 1 black | Black | 84 S1-BL-150 |
| • Circuit 2 black | Black | 84 S2-BL-150 |
| • Circuit 3 black | Black | 84 S3-BL-150 |
| • Circuit 4 black | Black | 84 S4-BL-150 |
| • Isolated Circuit orange | Orange | 84 S3IG-OR-150 |
| • Blank black | Black | 84 SB-BL-150 |

Available sizes: 150, 175, 200, 225, 250, 275, 300, 325
Change last 3 digits in the part number to specify simplex size. 150 is standard.
Grey Simplexes Available. Change "BL" in part number to "GR".

**Simplexes-
System 8422**

| | | |
|-----------------------------|--------|----------------|
| • Circuit 1 black | Black | 84 S1-BL-150 |
| • Circuit 2 black | Black | 84 S2-BL-150 |
| • Circuit 3 black | Black | 84 S3-BL-150 |
| • Isolated Circuit 2 orange | Orange | 84 S3IG-OR-150 |
| • Isolated Circuit 4 orange | Orange | 84 S4IG-OR-150 |
| • Blank black | Black | 84 SB-BL-150 |

Available sizes: 150, 175, 200, 225, 250, 275, 300, 325
Change last 3 digits in the part number to specify simplex size. 150 is standard.
Grey Simplexes Available. Change "BL" in part number to "GR".

Simplexes Removal Tool

| | | |
|---|-----|------|
| • Tool used to remove simplexes from power blocks | N/A | 8 SR |
|---|-----|------|

| DESCRIPTION | DIMENSIONS | PART NUMBER |
|-------------|------------|-------------|
|-------------|------------|-------------|

**Controlled Simplexes-
System 83**

| | | |
|-------------------|-------|----------------|
| • Circuit 1 black | Black | 83 S1CC-BL-150 |
| • Circuit 2 black | Black | 83 S2CC-BL-150 |
| • Circuit 3 black | Black | 83 S3CC-BL-150 |

Available sizes: 150, 175, 200, 225, 250, 275
Change last 3 digits in the part number to specify simplex size. 150 is standard.
Grey Simplexes Available. Change "BL" in part number to "GR".

**Controlled Simplexes-
System 84**

| | | |
|-------------------|-------|----------------|
| • Circuit 1 black | Black | 84 S1CC-BL-150 |
| • Circuit 2 black | Black | 84 S2CC-BL-150 |
| • Circuit 3 black | Black | 84 S3CC-BL-150 |
| • Circuit 4 black | Black | 84 S4CC-BL-150 |

Available sizes: 150, 175, 200, 225, 250, 275, 300, 325
Change last 3 digits in the part number to specify simplex size. 150 is standard.
Grey Simplexes Available. Change "BL" in part number to "GR".

**Controlled Simplexes-
System 8422**

| | | |
|-------------------|-------|----------------|
| • Circuit 1 black | Black | 84 S1CC-BL-150 |
| • Circuit 2 black | Black | 84 S2CC-BL-150 |
| • Circuit 3 black | Black | 84 S3CC-BL-150 |
| • Circuit 4 black | Black | 84 S4CC-BL-150 |

Available sizes: 150, 175, 200, 225, 250, 275, 300, 325
Change last 3 digits in the part number to specify simplex size. 150 is standard. Grey Simplexes Available. Change "BL" in part number to "GR".

Simplexes Removal Tool

| | | |
|---|-----|------|
| • Tool used to remove simplexes from power blocks | N/A | 8 SR |
|---|-----|------|

Mounting Bracket for Power Modules

| | | |
|---|-----|------|
| • Low profile - secures the power module to the panel | N/A | MB |
| • U -Channel - secures the power module to the panel; accommodates panels with a higher wire management profile | N/A | MBM |
| • "I" Beam -Secures the power module to the panel; accommodates raceways with "I" beam conguration | N/A | CMBM |

Junction Boxes

| | | |
|--|-------|----------|
| • Junction Box, 4 Receptacles, 6 Knock Outs, 4 Key Slots, ETL Listed | Black | JCT-4P-B |
| • Junction Box with Cover, 6 Knock Outs, 4 Key Slots | Black | 78 JB |

Starter-Cable Quick Specs:

Flex Cable Lengths= 12" min- 180" max
 SOW Cord= .59 round
 4 Wire Diameter= 3/8" round Trade Size
 8 Wire Diameter= 9/16" round Trade Size
 Galvanized Steel; #10 AWG super neutral in 8 Wire 4 Circuit; #12 AWG in all other systems.
 Insulation: THHN, THWN, rated 600 volts

Interconnecting-Cable Quick Specs:

Cable lengths available in 1" increments
 4 Wire Diameter= 3/8" round Trade Size
 8 Wire Diameter= 9/16" oval Trade Size
 #10 AWG super neutral in 8 Wire 4 Circuit; #12 AWG in all other systems
 Metal Flex made of Galvanized Steel

DESCRIPTION

DIMENSIONS

PART NUMBER

Starter Options - Single Circuit

- | | | |
|--|----------------------|----------------------------------|
| • 4 wire system - female flex cable length with 24" SOW cord with 20 AMP plug | 2.10" x 1.26" x .86" | 42 20AP1-72 |
| • 8 wire systems - female flex cable length with 24" SOW cord with 20 AMP plug | 3.38" x 2.01" x .61" | 83 20AP1-48-24 84 20AP1-48-24 |

15 Amp adapter cord is included for Canadian applications where only 15 Amp is required. Combined length of 24" SOW cord and Flex Cable cannot exceed 72".

Starter Options - Multi-Circuit

- | | | |
|---|----------------------|---------------------------------------|
| • 4 wire system - female flex cable length | 2.10" x 1.26" x .86" | 42 SB2-L* |
| • 8 wire systems - female flex cable length | 3.38" x 2.01" x .61" | 83 SB2-L* 84 SB2-L* 8422 SB2-L* |

All circuits rated for 20 AMPs and are energized. Whip end connected to building power by electrician. Female end connects to ECA Power Modules
 *Lengths specified in inches

Starter Options - Special Purpose Multi-Circuit

- | | | |
|---|----------------------|---------------------------------------|
| • 8 wire systems - female flex cable length | 3.38" x 2.01" x .61" | 83 SB1-L* 84 SB1-L* 8422 SB1-L* |
|---|----------------------|---------------------------------------|

Used as Power Infeed in New York City. Circuits rated for 20 AMPs and are energized. Connected to building power by electrician
 *Lengths specified in inches

Starter Options - Quick Disconnect

- | | | |
|---|-----------|---|
| • 4 & 8 wire systems - Fits into a standard decora plate opening. 42, 83, 84 FF cables plug into Quick Disconnect. Other end of FF cable plugs into Power Module. | 4 11/16th | 42 QD INSERT 83 QD 84 QD 8422 QD |
|---|-----------|---|

4 11/16" junction box included with 83, 84, and 8422 systems. Textured Black finish on face plate.

DESCRIPTION

DIMENSIONS

PART NUMBER

Interconnecting Cables - (Used to interconnectone Power Module to the next)

Female/Female Metal Flex Cable

- | | | |
|--------------------------------|------------------------------|-------------|
| • 4 wire 2 circuit cable | 4 Wire= 2.10" x 1.26" x .86" | 42 FF-"L" |
| • 8 wire 3 circuit cable | 8 Wire= 3.38" x 2.01" x .61" | 83 FF-"L" |
| • 8 wire 4 circuit cable | | 84 FF-"L" |
| • 8 wire 4 circuit (2+2) cable | | 8422 FF-"L" |

Also available in Male/Male—change "FF" in part number to "MM"
 Min Length: 12" Max Length: 180"

Interconnecting Cables - (Connects to a starter cable or can be used as an extension to a Female/Female cable)

Female/Male Metal Flex Cable

- | | | |
|--------------------------------|------------------------------|-------------|
| • 4 wire 2 circuit cable | 4 Wire= 1.94" x .86" x .86" | 42 FF-"L" |
| • 8 wire 3 circuit cable | 8 Wire= 4.25" x 2.23" x .73" | 83 FF-"L" |
| • 8 wire 4 circuit cable | | 84 FF-"L" |
| • 8 wire 4 circuit (2+2) cable | | 8422 FF-"L" |

Also available in Male/Male—change "FF" in part number to "MM"
 Min Length: 12" Max Length: 180"

Interconnecting Cables - (Used to split an application into two directions as a "Y" coupler)

Female/Dual Male Metal Flex Cable

- | | | |
|--------------------------------|-------------------------------|-------------|
| • 8 wire 3 circuit cable | 8 Wire= 4.25" x 2.23" x 1.43" | 83 FD-"L" |
| • 8 wire 4 circuit cable | | 84 FD-"L" |
| • 8 wire 4 circuit (2+2) cable | | 8422 FD-"L" |

Also available in Male/Male—change "FF" in part number to "MM"
 Min Length: 12" Max Length: 180"

Interconnecting Cables - (Connects two power modules together within a panel where multiple receptacles are required.)

Female/Female Rigid Channel

- | | | |
|--|-----|--------------|
| • 8 wire 3 circuit F/F Rigid Channel | N/A | 83 CFF-"L" |
| • 8 wire 4 circuit F/F Rigid Channel | | 84 CFF-"L" |
| • 8 wire 4 circuit (2+2) cable F/F Rigid Channel | | 8422 CFF-"L" |

Also available in Male/Male—change "FF" in part number to "MM"
 Min Length: 1.50" Max Length: 12"