

**FEATURES:**

**Applications**

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



**Starter Option Specifications**

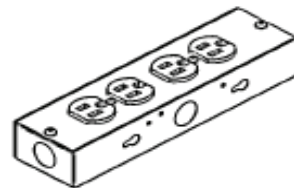
- Flex Cable Lengths: 12" Min -180" Max
- SOW Cord: 0.59 Round
- 4 Wire Diameter: 3/8" Round Trade Size
- 8 Wire Diameter: 9/16" Round Trade Size
- Galvanized Steel; #10 AWG Super Neutral in 8 Wire 4 Circuit; #12 AWG in all Other Systems
- Insulation: THHN, THWN Rated 600V

**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

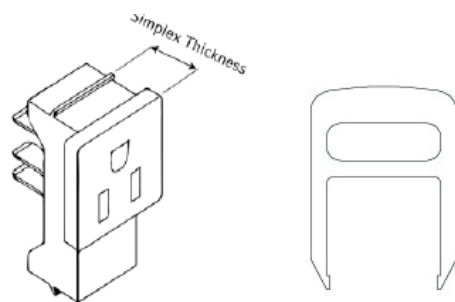
**Junction Box Specifications**

- 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**

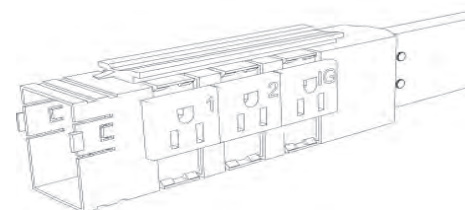
- For Open Air Applications Default to Simplex Size 150
- For Enclosed Applications (i.e. benching systems): Determine desired simplex thickness then Select Corresponding Simplex Size
- 150-225 Simplex Sizes are used in Single-Sided Power Modules
- 250-325 Simplex Sizes are used in Double Sided Power 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.



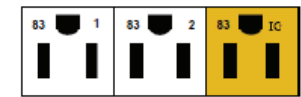
**4 WIRE, 2 CIRCUIT DUPLEX**

2 UTILITY CIRCUITS SHARE A NEUTRAL AND GROUND



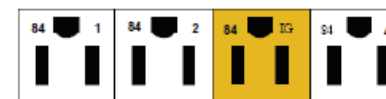
**8 WIRE, 3 CIRCUIT TRIPLEX**

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



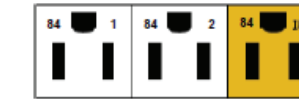
**8 WIRE, 4 CIRCUIT DOUBLE DUPLEX**

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



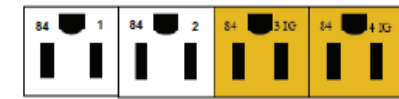
**8 WIRE, 4 CIRCUIT TRIPLEX**

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, 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
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**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
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DESCRIPTION	DIMENSIONS	PART NUMBER
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**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
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**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<br>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*<br>84 SB2-L*<br>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*<br>84 SB1-L*<br>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<br>83 QD<br>84 QD<br>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"

