



ECA Product Specifications

ELECTRI-PAK™ For **Panel Systems and Modular Furniture**

Innovative Power + Data Solutions

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ECA Electri-Pak Wiring System Spec Book

Electri-Pak Features

- ◆ **Flexibility**

ECA offers 5 compatible and inter-connectable systems. Our 4 wire 2 circuit system is ideal for simple powering of desking systems or troughs. The 7 wire and 8 wire 3 circuit systems are available for added power. The 8 wire 4 circuit and 8 wire 4 circuit 2+2 systems are ideal for powering panel systems or long runs when additional power is required.
- ◆ **Continuity**

Simplex receptacles can be removed and replaced in the power modules *without* disrupting power.
- ◆ **Security**

The Simplex Removal Tool ensures the security of your power configurations after installation. Only authorized personnel can remove the simplex receptacles by using the simplex removal tool.
- ◆ **Economy**

ECA power modules use a unique TriPlex® or Double Duplex® design. The TriPlex power module is designed to accommodate 3 simplex receptacles per side. The Double Duplex power module is designed to accommodate 4 simplex receptacles per side. This design allows more simplexes to be used per power block location lowering your overall electrical costs.
- ◆ **Durability**

Molded components are made of high impact resistant LEXAN™.
- ◆ **Accessibility**

Power modules are freestanding and can be positioned anywhere within your design providing greater access to your power receptacles after installation.
- ◆ **Safety**

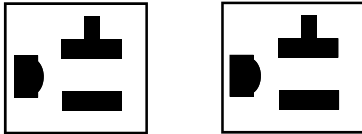
As with all ECA products, the Electri-Pak system is designed with every possible safety consideration. Electri-Pak fully complies with National Electrical Code, UL and CSA requirements. An example of this is the simplex receptacles being designed with the ground pin up, preventing hazards from falling metal objects.
- ◆ **Future Upgradeability**

The TriPlex and Double Duplex power modules adapt to the changing needs of the workstation. Interchangeable simplexes permit the changing of the convenience receptacle for a computer receptacle (isolated ground) without depriving the user of needed convenience receptacles. Simplex receptacles are available in different depths to suit a full range of panel thicknesses.

Electri-Pak Electrical System

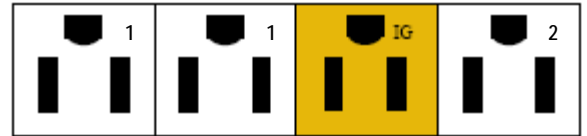
Duplex, 42 System

2 Utility circuits share a neutral and ground.



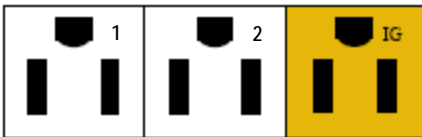
Double Duplex 834

Extra position available.
2 Utility circuits each have a neutral and share a ground.
3rd Circuit has dedicated, hot, neutral and ground.



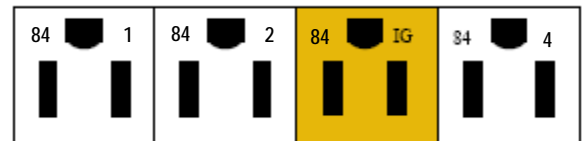
TriPlex 73

2 Utility circuits share a neutral and ground.
3rd Circuit has dedicated, hot, neutral and ground.



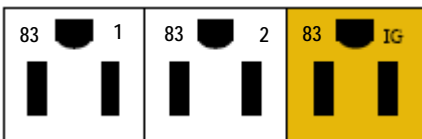
Double Duplex 844

3 Utility circuits (1,2,4) share a #10 AWG super neutral and share a ground.
3rd Circuit has dedicated, hot, neutral and ground.



TriPlex 83

2 Utility circuits each have a neutral and share a ground.
3rd Circuit has dedicated, hot, neutral and ground.



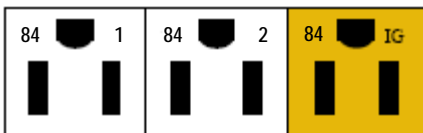
Double Duplex 8422

2 Utility circuits have a shared neutral and ground.
2 Dedicated circuits share a neutral and a ground.



TriPlex 84

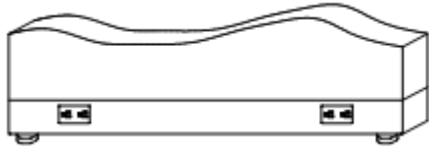
3 Utility circuits (1,2,4) share a #10 AWG super neutral and share a ground.
3rd Circuit has dedicated, hot, neutral and ground.



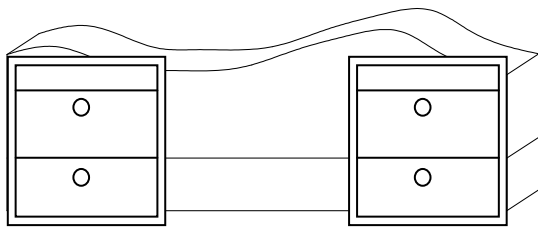
More Access to Power

Conventional Panel Electrical System

With a conventional panel electrical system one must place a Power bar in each panel so that access is obtained from either end of the panel.

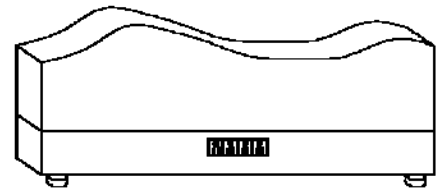


When the balance of the furniture is installed in the workplace, like pedestals, the power outlets are covered. Regardless of the system employed this situation would be the same.

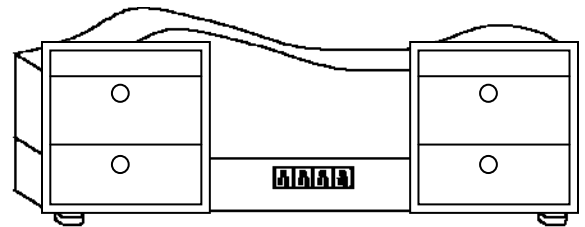


ECA Electri-Pak Solution

Place power module in the center of the Panel!



Now place the furniture in the workspace with the Electri-Pak system and the difference is obvious?



The results are greater access to power, lower cost and greater flexibility!



ECA Electri-Pak Wiring System Spec Book

Modular System & Panel Design Steps

1. Determine configurations to be powered.
2. Choose electrical system to be employed based on electrical load and user requirements.
3. Establish placement of power block within the design.
4. Select mounting bracket — if required.
5. Identify circuits and simplexes per power block from electrical system.
6. Determine type of power feed.
7. Determine interconnecting cable lengths between power modules.

Power Feeds — Starter Cables



ECA's power feeds come in a wide variety of designs to meet specific application needs. Each mates with the Electri-Pak family of wiring systems: 4 wire 2 circuit system, 7 wire 3 circuit system, 8 wire 3 circuit system, 8 wire 4 circuit (3+1) system, and 8 wire 4 circuit (2+2) system.



Power Feed Configurations

Product Specifications

- Copper wire minimum size # 12 AWG. Except #10 AWG on 84 system is neutral.
- Insulation: THHN, THWN, rated 600 volts.
- Metal Flex covering — Galvanized steel.
- Cables with male plugs may be either 15 AMP or 20 AMP, 3 prong type.
- Cable lengths available in 1" increments.
- The feeds are UL Listed, UL Recognized, and CSA Certified.
- Dimensions: Metal Flex Covering — Galvanized steel $\frac{3}{8}$ " for 4 wire, $\frac{1}{2}$ " for 7 wire and $\frac{9}{16}$ " for 8 wire.

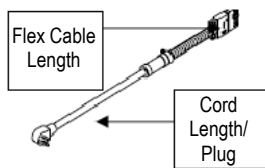
Power Feed Standard Ordering Information

Power Feeds — Starter Cables

Part

Description

Single Circuit



For energizing a single circuit.

15 AMP Plug

- 42 15AP1-flex cable* — cord length*
- 73 15AP1-flex cable* — cord length*
- 83 15AP1-flex cable* — cord length*
- 84 15AP1-flex cable* — cord length*

20 AMP Plug

- 73 20AP1-flex cable* — cord length*
- 83 20AP1-flex cable* — cord length*
- 84 20AP1-flex cable* — cord length*

Plug fits standard 15 & 20 AMP outlet

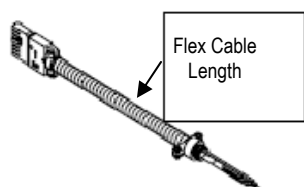
- 4 wire 2 circuit power feed
- 7 wire 3 circuit power feed
- 8 wire 3 circuit power feed
- 8 wire 4 circuit power feed

Plug fits only 20 AMP outlet

- 7 wire 3 circuit power feed
- 8 wire 3 circuit power feed
- 8 wire 4 circuit power feed

*Length for each specified in inches. UL Listing requires a maximum of 24" of cord. Overall total length cannot exceed 72".

Multi-Circuit



All circuits rated for 20 AMPs and are energized. Whip end connected to building power by electrician.

*Length specified in inches
Minimum length = 12"
Maximum length = 180"

Includes Female connector that mates with Electri-Pak Power block, length of flex cable and box connector. (Excluding the 42 System).

- 42 SB2-L*
- 73 SB2-L*
- 83 SB2-L*
- 84 SB2-L*
- 8422 SB2-L*

- 4 wire 2 circuit power feed
- 7 wire 3 circuit power feed
- 8 wire 3 circuit power feed
- 8 wire 4 circuit power feed
- 8 wire 4 circuit power feed

Power Feed Configurations

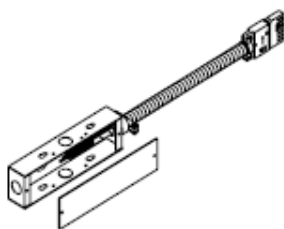
Power Feed Standard Ordering Information

Starter Cable

Part

Intended Use:

Special Purpose Multi-Circuit
(New York City)



73 SB1-L*
83 SB1-L*
84 SB1-L*
8422 SB1-L*

Used as power infeed in New York City.

Includes Female connector that mates with Electri-Pak Power block, length of flex cable and junction box.

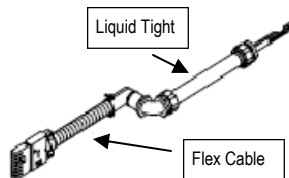
7 wire 3 circuit power feed
8 wire 3 circuit power feed
8 wire 4 circuit power feed
8 wire 4 circuit power feed

All circuits rated for 20 AMPs and are energized.
Connected to building power by electrician.

*Length specified in inches
Minimum length = 12"
Maximum length = 180"

Multi-Circuit

(Special Purpose) Base Panel Feed



73 — Flex Cable* — Liquid Tight*
83 — Flex Cable* — Liquid Tight*
84 — Flex Cable* — Liquid Tight*
8422 — Flex Cable* — Liquid Tight*

Used when running power into a raceway.

Includes Female connector that mates with Electri-Pak Power block, length of flex cable installed within panel, length of liquid tight that installs outside panel. Includes hardware, but it comes disassembled for easy installation.

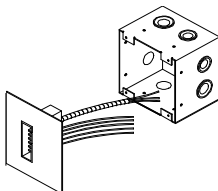
7 wire 3 circuit power feed
8 wire 3 circuit power feed
8 wire 4 circuit power feed
8 wire 4 circuit power feed

All circuits rated for 20 AMPs and are energized.
Whip end connected to building power by electrician.

*Flex Cable installed within panel, specified inches:
Minimum Length = 6"
Maximum Length = 48"
*Liquid tight run outside panel, specified inches:
Minimum length = 12"
Maximum length = 156" — 72" (N.E.C.)

Quick Disconnect

With 4 1¹/₁₆" junction box. Textured Black finish on face plate.



73 QD
83 QD
84 QD
42 QD S
42 QD D

Used to make connection to the Electri-Pak wiring System.

Installed in wall (by others).

7 wire 3 circuits
8 wire 3 circuits
8 wire 4 circuits
4 wire 2 circuit single box
4 wire 2 circuit double box

73, 83, 84 FF cables plug into this wall outlet.
Other end of FF cable plugs into Power Module.

Power Feed Configurations

Power Feed — Starter Cable Standard Ordering Information

Starter Cable

Part

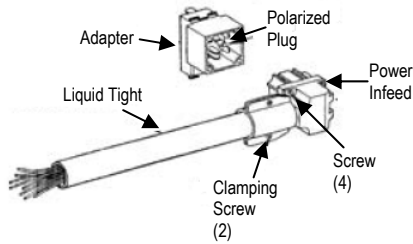
Intended Use:

Side Power Feed

Left handed or Right handed

Used to energize the Electri-Pak system from outside of the raceway.

Side power feed consists of an adapter that replaces one simplex in the power block, left or right hand infeed and length of liquid tight conduit.



73 XPFL-72*
73 XPFR-72*
83 XPFL-72*
83 XPFR-72*
84 XPFL-72*
84 XPFR-72*
8422 XPFL-72*
8422 XPFR-72*

7 wire 3 circuit LEFT hand
7 wire 3 circuit RIGHT hand
8 wire 3 circuit LEFT hand
8 wire 3 circuit RIGHT hand
8 wire 4 circuit LEFT hand
8 wire 4 circuit RIGHT hand
8 wire 2+2 circuit LEFT hand
8 wire 2+2 circuit RIGHT hand

*72" = length of Liquid Tight

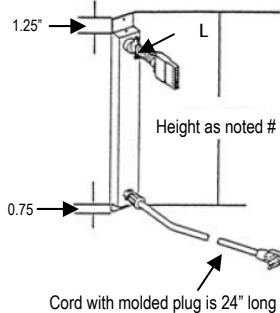
Modular Furniture Infeeds

(Commonly used with "J" channels)

Part

Intended Use:

Single Circuit



73 PFS-#-L*
83 PFS-#-L*
84 PFS-#-L*

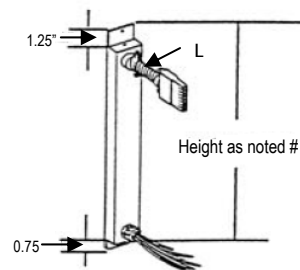
Mounts to furniture and brings power to first power module.

Single circuit feed compatible with system 73
Single circuit feed compatible with system 83
Single circuit feed compatible with system 84

Identifies height.
Standard heights = 18", 26" and 36"

L* = Length of flex cable exiting top of unit.
Measured in inches. 24" cord with molded plug supplied at bottom.

Multi-Circuit



73 PFM-#-L*
83 PFM-#-L*
84 PFM-#-L*

Multi-Circuit feed compatible with system 73
Multi-Circuit feed compatible with system 83
Multi-Circuit feed compatible with system 84

Identifies height.
Standard heights = 18", 26" and 36"

L* = Length of flex cable exiting top of unit.
Measured in inches.
72" of Liquid Tight supplied for bottom whip

Installation Instructions

Note: A qualified electrician must install multi-circuit power feeds. Consult the table below for circuit color code.

SYSTEM	1H	2H	3H	4H	1-2-N	3N	1-2-G	3G
4W-2CIR	BLK	RED			WHITE		GREEN	
SYSTEM	1H	2H	3H	1-2N	3N	1-2G	3G	
7W-3CIR	BLK	RED	BLUE	WHITE	GRAY	GREEN	GRN/YEL	
SYSTEM	1H	2H	3H	1N	2N	3N	1-2G	3G
8W-3CIR	BLK	RED	BLUE	WHITE	WHT/BLK	GRAY	GREEN	GRN/YEL
SYSTEM	1H	2H	3H	4H	1-2-4N	3N	1-2-4G	3G
8W-4CIR	BLK	RED	BLUE	PINK	WHITE*	GRAY	GREEN	GRN/YEL

*10 AWG Wire

Electri-Pak Power Modules



The heart of the Electri-Pak system is the Power Module. ECA offers single sided and double sided power modules in the following wiring systems: 7 wire 3 circuit, 8 wire 3 circuit, 8 wire 4 circuit (3+1), and 8 wire 4 circuit (2+2) and single sided only in the 4 wire 2 circuit system. The power modules are molded from durable polycarbonate, are color-coded and polarized. 15 AMP receptacles are available in a wide variety of colors and depths with embossed lettering to designate the circuit and are purchased separately. The 4 wire 2 circuit power bar is constructed of powder coat steel and houses standard 20 AMP receptacles. Mounting of the double sided power modules is accomplished with ECA mounting brackets while single sided power modules are fastened to a flat surface with screws.



Power Module Configurations

Product Specifications

- Copper alloy buss bars.
- Polycarbonate body.
- Single sided or double sided.
- 2 — 8 receptacle locations.
- UL Recognized and CSA Certified — UL Listed (4 wire 2 circuit).
- Power Modules have Male/Male connectors.

Power Modules Standard Ordering Information

Double Sided Power Block

Part

Description

Dimensions

TriPlex Double sided Type AA

Double sided power blocks, each side can access up to 3 circuits.



73 AA

7 wire 3 circuit — 2 utility share a neutral and ground + 1 isolated

7.07" X 1.50" X 2.17"

83 AA

8 wire 3 circuit — 2 utility share ground + 1 isolated

7.07" X 1.50" X 2.48"

84 AA

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

7.07" X 1.50" X 2.48"

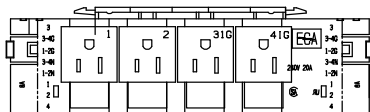
Simplexes shown in power block
Simplexes ordered separately

Note: Six simplexes required

Electrical Length = 7"

Double Duplex Double sided Type AA

Double sided power blocks, each side can access up to 3 circuits.



834 AA

8 wire 3 circuit — 2 utility share ground + 1 isolated

8.4" X 1.50" X 2.48"

844 AA

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

8.4" X 1.50" X 2.48"

8422 AA

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

8.4" X 1.50" X 2.48"


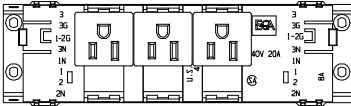
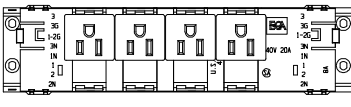
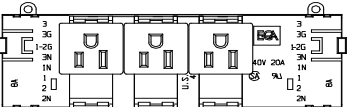
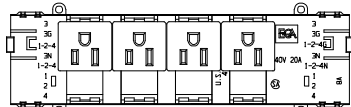
Simplexes shown in power block
Simplexes ordered separately

Note: Eight simplexes required

Electrical Length = 8.4"

Power Module Configurations

Power Module Standard Ordering Information

Single Sided Power Block	Part #	Description For use in troughs and modular furniture. May be mounted to Modesty panel, under work surface or in a trough.	Dimensions
4 wire 2 Circuit Power Bar			
	VIL-4-1-BAR-B VIL-4-1-BAR-S VIL-4-2-BAR-B VIL-4-2-BAR-S	One sided power block with 2 20 AMP receptacles available together as Circuit 1 or Circuit 2. Mounting brackets included for affixing to a modesty panel or trough or the underside of any surface. 4 wire 2 circuit — 2 circuit 1 receptacles, black finish 4 wire 2 circuit — 2 circuit 1 receptacles, silver finish 4 wire 2 circuit — 2 circuit 2 receptacles, black finish 4 wire 2 circuit — 2 circuit 2 receptacles, silver finish	6.00" X 1.83" X 2.95" 6.00" X 1.83" X 2.95" 6.00" X 1.83" X 2.95" 6.00" X 1.83" X 2.95"
Simplexes shown in power block Simplexes ordered separately			Electrical Length = 8.63"
TriPlex Single Sided Type SA			
	73 SA 83 SA 84 SA	One sided power blocks, each receptacle can access up to 4 circuits. Four mounting holes for affixing to modesty panel of trough. 7 wire 3 circuit — 2 utility share a neutral and ground + 1 isolated 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 1.93" 7.96" X 1.03" X 2.35" 7.96" X 1.03" X 2.35"
Simplexes shown in power block Simplexes ordered separately			Electrical Length = 7"
Double Duplex Single Sided Type SA			
	834 SA 844 SA 8422 SA	One sided power blocks, each receptacle can access up to 4 circuits. Four mounting holes for affixing to modesty panel of trough. 8 wire 3 circuit — 2 utility share a 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"
Simplexes shown in power block Simplexes ordered separately			Electrical Length = 8.4"
TriPlex Single Sided Type SAE			
	83 SAE 84 SAE	One sided power blocks, each receptacle can access up to 4 circuits. Four mounting holes for affixing to modesty panel of trough. 8 wire 3 circuit — 2 utility share a 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"
Simplexes shown in power block Simplexes ordered separately			Electrical Length = 7"
Double Duplex Single Sided Type SAE			
	834 SAE 844 SAE 8422 SAE	One sided power blocks, each receptacle can access up to 4 circuits. Four mounting holes for affixing to modesty panel of trough. 8 wire 3 circuit — 2 utility share a 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"
Simplexes shown in power block Simplexes ordered separately			Electrical Length = 8.4"

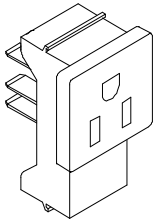
Installation Instructions

- The power modules are installed using one of the mounting brackets or fastened to a flat surface with screws (not supplied).

Electri-Pak Simplex Size Guide

Simplex Standard Ordering Information

Simplexes



Color Designation Color

BL	Black
OR	Orange
BE	Beige
GR	Gray

73 S1-BL-SIMPLEX SUFFIX #*
73 S2-BL-SIMPLEX SUFFIX #*
73 SIG-OR-SIMPLEX SUFFIX #*
73 SB-BL-SIMPLEX SUFFIX #

83 S1-BL-SIMPLEX SUFFIX #*
83 S2-BL-SIMPLEX SUFFIX #*
83 S3IG-OR-SIMPLEX SUFFIX #*
83 SB-BL-SIMPLEX SUFFIX #*

84 S1-BL-SIMPLEX SUFFIX #*
84 S2-BL-SIMPLEX SUFFIX #*
84 S4-BL-SIMPLE SUFFIX #*
84 S3IG-OR-SIMPLEX SUFFIX #*
84 SB-BL-SIMPLEX SUFFIX #*

84 S1-BL-SIMPLEX SUFFIX #*
84 S2-BL-SIMPLEX SUFFIX #*
84 S3IG-OR-SIMPLE SUFFIX #*
84 S4IG-OR-SIMPLE SUFFIX #*
84 SB-BL-SIMPLEX SUFFIX #*

System 73 Simplexes

Circuit 1 black
Circuit 2 black
Isolated Circuit orange
Blank black

System 83 Simplexes

Circuit 1 black
Circuit 2 black
Isolated Circuit orange
Blank black

System 84 Simplexes

Circuit 1 black
Circuit 2 black
Circuit 4 black
Isolated Circuit orange
Blank black

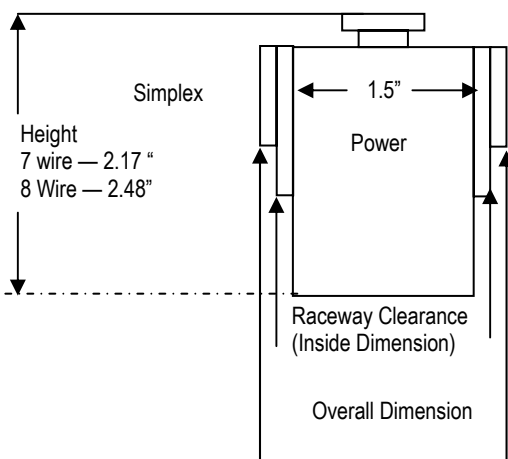
System 8422 Simplexes

Circuit 1 black
Circuit 2 black
Isolated Circuit 3 orange
Isolated Circuit 4 orange
Blank black

* = Size of Simplex. See Below.

Ordering Information

- Double sided power modules are normally installed in panel systems where power is accessed on both sides of the panel. Using the diagram below, take the measurements of your panel. Find that dimension in the table to the right to determine the suffix number for the simplex you need.



To Determine the correct Simplex Size designation:

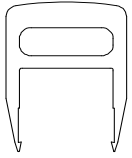
1. Measure the Inside Dimension of the raceway covers.
2. Refer to Raceway Clearance for measurement of inside dimension required.
3. Determine the desired amount of simplex face to extend beyond the raceway cover.
4. Select the corresponding simplex Model Suffix #.

Simplex Model # Suffix	Nominal Panel Thickness	(Inside Dim.) Raceway Clearance	Overall Dimension
150	1.50"	1.52"	1.92"
175	1.75"	1.75"	2.15"
200	2.00"	1.98"	2.38"
225	2.25"	2.20"	2.60"
250	2.50"	2.43"	2.83"
275	2.75"	2.66"	3.06"
300	3.00"	2.97"	3.37"
325	3.25"	3.22"	3.62"

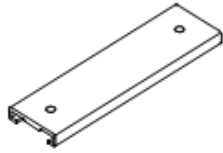
Electri-Pak Simplex Size Guide

Standard Ordering Information

Simplex	Part #	Description
Simplex Removal Tool	73 SR 8 SR	Tool for removing individual Simplexes from any of the 7 wire Power modules. Tool for removing individual Simplexes from any of the 8 wire Power modules.



Mounting Brackets	Part #	Description
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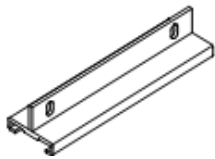
MB

Secures the power module to the panel — Low profile.



MBM

Secures the power module to the panel — U Channel accommodates panels with a higher wire management profile.



CMBM

Secures the power module to the panel — Accommodates raceways with "I" beam configuration.

Interconnecting Cables



ECA's Electri-Pak system provides great flexibility and versatility. 7 and 8 wire systems have two types of interconnecting cables: Metal-Flex and Festoon, the 4 circuit utilizes metal flex cabling. The metal flex cable provides electro-magnet isolation when installed near low voltage telecom cables.

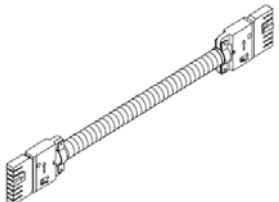


Interconnecting Cable Configurations

Product Specifications

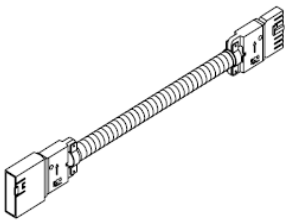
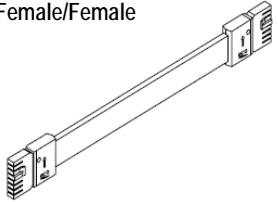
- Metal flex cable — Galvanized steel — $\frac{3}{8}$ " diameter round for 4 wire 2 circuit, $\frac{1}{2}$ " diameter round for 7 wire and $\frac{9}{16}$ " oval for 8 wire.
- Festoon Cable — Flat ribbon cable PVC.
- #12 AWG power conductors in all systems except super neutral in 8 wire 4 circuit cables.
- #10 AWG super neutral in 8 wire 4 circuit.
- Color coded and polarized: 4 wire 2 circuit — Black, 7 wire 3 circuit and 8 wire 3 circuit — Black, 8 wire 4 circuit — Gray cable ends.
- UL Listed and Recognized and CSA Certified components.
- Dimensions:
Cable lengths available in 1" increments.
Metal Flex — 12" minimum to 186" maximum
Festoon — 12" minimum to 24" maximum
Female connector — 4 wire = $1 \frac{15}{16}$ " x $\frac{7}{8}$ " x $1 \frac{1}{4}$ ", 7 wire = $3 \frac{1}{8}$ " x $\frac{5}{8}$ " x $1 \frac{15}{16}$ ", 8 wire = $3 \frac{3}{8}$ " x $\frac{5}{8}$ " x 2" — L x W x H

Interconnecting Cables — Starter Cable Standard Ordering Information

Cable	Part #	Intended Use:
Interconnecting Cables		Metal Flex cable, female/female, used to interconnect Power Modules.
	42 FF-"L"	4 wire 2 circuit cable with Female connectors on each end. Supports System 42.
	73 FF-"L"	7 wire 3 circuit cable with Female connectors on each end. Supports System 73.
	83 FF-"L"	8 wire 3 circuit cable with Female connectors on each end. Supports System 83.
	84 FF-"L"	8 wire 4 circuit cable with Female connectors on each end. Supports System 84.
	8422 FF-"L"	8 wire 4 circuit cable with Female connectors on each end. Supports System 8422.
Decorative Covering for Interconnecting Cable	BC-"L"	Black covering that is applied over the Metal Flex cable
	"L" = Distance between two power blocks Minimum length = 12" Maximum length = 156"	

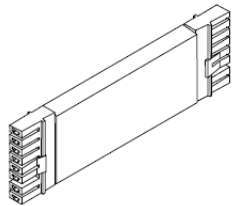
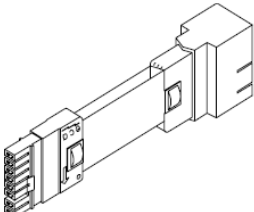
Interconnecting Cable Configurations

Interconnecting Cables Standard Ordering Information

Cable	Part #	Intended Use:
Pass Through Cables		
Female/Male 	<u>Female/Male</u> 42 FM-"L"	Used in conjunction with a Festoon or Metal Flex cable to pass through a non-powered panel. i.e. Connects two powered panels when a non-powered panel is placed between them. 4 wire 2 circuit cable with Female connector at one end. Male connector on opposite end.
	73 FM-"L"	7 wire 3 circuit cable with Female connector at one end. Male connector on opposite end.
	83 FM-"L"	8 wire 3 circuit cable with Female connector at one end. Male connector on opposite end.
	84 FM-"L"	8 wire 4 circuit cable with Female connector at one end. Male connector on opposite end.
	8422 FM-"L"	8 wire 4 circuit cable with Female connector at one end. Male connector on opposite end.
Also available in Female/Dual Male	<u>Female/Dual Male</u> 73 F2M-"L"	7 wire 3 circuit cable with Female connector at one end. Dual male connector on opposite end.
	83 FD-"L"	8 wire 3 circuit cable with Female connector at one end. Dual male connector on opposite end.
	84 FD-"L"	8 wire 4 circuit cable with Female connector at one end. Dual male connector on opposite end.
	8422 FD-"L"	8 wire 4 circuit cable with Female connector at one end. Dual male connector on opposite end.
"L" = Distance between two power blocks Minimum length = 12" Maximum length = 156"		
<hr/>		
Festoon Cable		
Female/Female 	73 MFF-"L"	Used as an interconnecting cable for panel systems using Power modules with rigid channel on each end. 7 wire 3 circuit cable with Female connectors on each end. Supports System 73.
	83 MFF-"L"	8 wire 3 circuit cable with Female connectors on each end. Supports System 83.
	84 MFF-"L"	8 wire 4 circuit cable with Female connectors on each end. Supports System 84.
"L" = Length of cable Minimum length = 9" Maximum length = 24" (UL Mandated)		

Interconnecting Cable Configurations

Interconnecting Cables Standard Ordering Information

Cable	Part #	Intended Use:
Rigid Cable Female/Female		Connects two power modules together within a panel where multiple receptacles are required.
	73 CFF-"L"	7 wire 3 circuit F/F Rigid Channel. System 73
	83 CFF-"L"	8 wire 3 circuit F/F Rigid Channel. System 83
	84 CFF-"L"	8 wire 4 circuit F/F Rigid Channel. System 84
	8422 CFF-"L"	8 wire 4 circuit F/F Rigid Channel. System 8422
	"L" = Length required between two interconnected power modules. Minimum length = 1 1/2" Maximum length = 48"	
Extender Female/Dual Male Shown		Extender used when there is a gap in the panel wall that must be compensated for when going from one panel to the next.
	73 CF2M-"L"	7 wire 3 circuit Female/Dual Male Rigid Channel. System 73
	83 CF2M-"L"	8 wire 3 circuit Female/Dual Male Rigid Channel. System 83
	84 CFD-"L"	8 wire 4 circuit Female/Dual Male Rigid Channel. System 84
	8422 CFD-"L"	8 wire 4 circuit Female/Dual Male Rigid Channel. System 8422
Also Available in Female/Male		
	73 CFM-"L"	7 wire 3 circuit Female/Male Rigid Channel. System 73
	83 CFM-"L"	8 wire 3 circuit Female/Male Rigid Channel. System 83
	84 CFM-"L"	8 wire 4 circuit Female/Male Rigid Channel. System 84
	8422 CFM-"L"	8 wire 4 circuit Female/Male Rigid Channel. System 8422
	Shortest Length = 3 1/2" Maximum length = 48"	

Installation Instructions

1. Make sure power is not connected to any of the parts to be joined.
2. Check color code of female connector to make sure it is same color as mating male connector.
3. Align female connector with same polarity as mating male connector.
4. Insert female end of interconnecting cable into mating male connector.
5. Press firmly to assure locking mechanism on male connector has been engaged and is firmly in place.

Standard Ordering Information

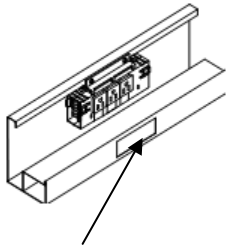
J Channel With Power Modules

Part

Intended Use:

For input power See Power Infeeds
Pages 8, 9, and 10

Used to bring power below a workstation. Attaches to a modesty panel or underside of a worksurface.



Telecom Plate Purchased separately.

73 J 1013123A
73 J 1513123A
73 J 1913123A

7 Wire 3 circuit — Interconnecting Cables Purchased separately

10" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

15" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

19" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

73 J 29 23123A
73 J 32 23123A
73 J 35 23123A
73 J 41 23123A
73 J 47 23123A

7 Wire 3 circuit — Interconnecting Cables Purchased separately

29" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

32" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

35" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

41" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

47" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

Interconnecting cable
purchased separately.

8 Wire 3 circuit — Interconnecting Cables Purchased separately

83 J 1013123A
83 J 1513123A
83 J 1913123A

10" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

15" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

19" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

Specify system 73, 83, 84 or 8422 and
distance between power blocks i.e.

73 FF-"L"

Where "L"= length in inches

83 J 29 23123A
83 J 32 23123A
83 J 35 23123A
83 J 41 23123A
83 J 47 23123A

8 Wire 3 circuit — Interconnecting Cables Purchased separately

29" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

32" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

35" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

41" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

47" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit



84 J 1013134A
84 J 1513134A
84 J 1913134A

8 Wire 4 circuit — Interconnecting Cables Purchased separately

10" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

15" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

19" long J Channel 1 power block w/ 3 receptacles, Mutli-Circuit

84 J 29 23134A
84 J 32 23134A
84 J 35 23134A
84 J 41 23134A
84 J 47 23134A

8 Wire 4 circuit — Interconnecting Cables Purchased separately

29" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

32" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

35" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

41" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

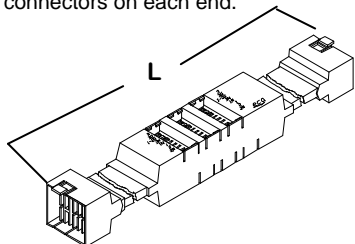
47" long J Channel 2 power blocks w/ 6 receptacles, Mutli-Circuit

Single Circuit configurations also available.

Standard Ordering Information

Panel Refurbishing Power Modules Part # Intended Use: (Used as power module for panels having a width from 30" to 60")

1 — 2 sided Power module with dual male connectors on each end.



73C BB2M2M-"L"
83C BB DD-"L"
84C BB DD-"L"

"L" = length in inches of power module.

Shown without receptacles.

For mounting See
Mounting Brackets

For interconnecting cables See
Normally 17 1/2" in length
Interconnecting Cable
or Festoon Cables

For Simplexes See
Simplexes

Typical Lengths	—	for Panel Widths
13"	—	30"
19"	—	36"
25"	—	42"
31"	—	48"
37"	—	54"
43"	—	60"

Consists of 1 two-sided power module with Rigid Channel on either end. Each end terminated with a dual male connector. Simplex's purchased separately. For use in panels that are 30" or wider.

7 wire 3 circuits — 2 utility share neutral + 1 isolated
8 wire 3 circuits — 2 utility + 1 isolated, each has own neutral
8 wire 4 circuits — 3 utility share neutral and ground + 1 isolated neutral and ground.

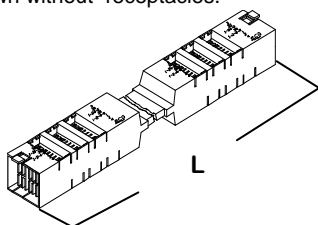
Length is measured from each edge of the extending dual male connector.

Min Length = 13" — Typically used for 30" panels
Max Length = 43" — Typically used for 60" panels

6 Receptacles ordered separately.
Requires 1 mounting brackets — ordered separately.

For 24" panels See
Power Blocks
Triplex Double Sided Type AA used by itself.

2 Double sided Power modules joined by Rigid Channel. Each end has dual access. Shown without receptacles.



83 C2AB-"L"
84 C2AB-"L"

"L" = length in inches.

For mounting See
Mounting Brackets

For interconnecting cables See
Interconnecting Cable
or Festoon Cables

For Simplexes See
Simplexes

Consists of 2 two-sided power module with rigid channel between them. Each end terminated with a dual male connector. Simplex's purchased separately. For use in panels that are 36" or wider.

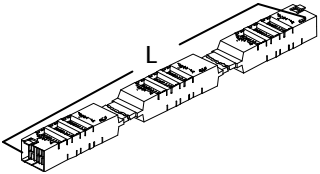
8 wire 3 circuits — 2 utility + 1 isolated, each has own neutral
8 wire 4 circuits — 3 utility share neutral and ground + 1 isolated

Length is measured from each edge of the extending dual male connector.

Minimum Length = 19" — Typically used for 36" panel
Maximum Length = 36" — Typically used for 54" panel

12 Receptacles ordered separately.
Requires 2 mounting brackets — ordered separately.

Standard Ordering Information

Panel Refurbishing Power Modules	Part #	Description
<p>3 Double sided Power modules joined by rigid channel. Each end has dual access. Shown without receptacles.</p>	<p>83 C2AB-BB-"L" 84 C2ABBB-"L"</p>	<p>(Used as power module for panels having a width from 30" to 60")</p>
	<p>"L" = Length in inches</p>	<p>Consists of 3 two-sided power module with rigid channel between them. Each end terminated with a dual male connector. Simplex's purchased separately. For use in panels that are 48" or wider.</p> <p>8 wire 3 circuits — 2 utility + 1 isolated, each has own neutral 8 wire 4 circuits — 3 utility share neutral and ground + 1 isolated</p> <p>Length is measured from each edge of the extending dual male connector. Min. Length = 25" — Typically used for 48" panel Max. Length = 60" — Typically used for 78" panel</p> <p>18 Receptacles ordered separately. Requires 3 mounting brackets — ordered separately.</p>
<p>For mounting See Mounting Brackets</p>		
<p>For interconnecting cables See Interconnecting Cable or Festoon Cables</p>		
<p>For Simplexes See Simplexes</p>		



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