



Mole-Richardson Co.



Power Distribution Catalog

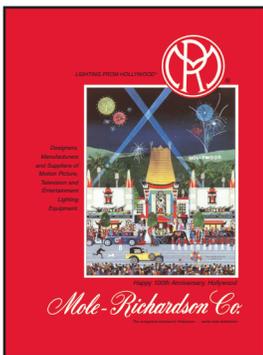


Mole-Richardson Co.

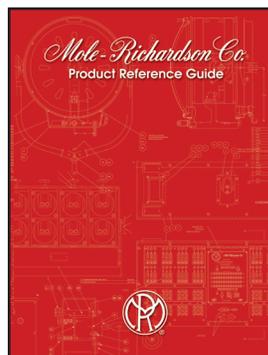
Since its founding in 1927 by Peter Mole in Hollywood, Mole-Richardson Co. has focused its research and manufacturing facilities to the production of lighting and power equipment designed to satisfy the needs of the motion picture, television, video and still photographic industries.

Today, Mole-Richardson products are sold and serviced around the world. Mole-Richardson Co. stands at the forefront in Power Distribution. We are pleased to provide our customers with this catalog showcasing our line of Power Distribution equipment and supplies.

Please log onto www.mole.com or give us a call for more information or to request an additional catalog



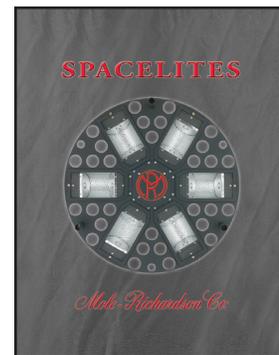
Sales



Product Reference



Lighting Kits



Spacelites



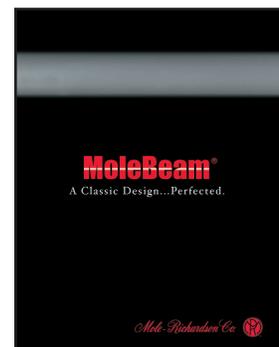
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Molescent



DigiMole



Molebeam



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Mole-Richardson Co.

Pass-Thru Plus

1Ø Single Phase



TYPE 7851

Cam-Lok® Pass-Thru Plus 400 Amps Single Phase (120V)

The Pass-Thru Plus distribution box features 120 Volt bates stage- plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 1Ø, 4-Wire 120/240 VAC

OUTPUTS: 4 (100A-120V)

AMPS: 400

CONVENIENCE OUTLETS: 2

DIMENSION: 11" x 12.25" x 16"

WEIGHT: 37 lbs



TYPE 7861

Cam-Lok® Pass-Thru Plus 600 Amps Single Phase (120/220V)

The Pass-Thru Plus distribution box features 120/220 Volt bates stage- plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 1Ø, 4-Wire 120/240 VAC

OUTPUTS: 2 (100A-120V), 2 (100A-220V)

AMPS: 600

CONVENIENCE OUTLETS: 2

DIMENSION: 11" x 12.25" x 16"

WEIGHT: 39 lbs



Pass-Thru Plus 1Ø Single Phase

TYPE 7951

Cam-Lok® Pass-Thru Plus 600 Amps Single Phase (120V)

The Pass-Thru Plus distribution box features 120 Volt bates stage- plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 1Ø, 4-Wire 120/240 VAC
OUTPUTS: 6 (100A-120V)
AMPS: 600
CONVENIENCE OUTLETS: 2
DIMENSION: 11" x 12.25" x 19.5"
WEIGHT: 45 lbs



TYPE 7941

Cam-Lok® Pass-Thru Plus 800 Amps Single Phase (120/220V)

The Pass-Thru Plus distribution box features 120/220 Volt bates stage- plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 1Ø, 4-Wire 120/240 VAC
OUTPUTS: 4 (100A-120V), 2 (100A-220V)
AMPS: 800
CONVENIENCE OUTLETS: 1
DIMENSION: 11" x 12.25" x 19.5"
WEIGHT: 45 lbs





Pass-Thru Plus

3Ø Three Phase



TYPE 7821

Cam-Lok® Pass-Thru Plus 600 Amps Three Phase (120V)

The Pass-Thru Plus distribution box features 120 Volt bates stage-plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 3Ø, 5-Wire 120/208 VAC

OUTPUTS: 6 (100A-120V)

AMPS: 600

CONVENIENCE OUTLETS: 2

DIMENSION: 11" x 12.25" x 19.5"

WEIGHT: 45 lbs



TYPE 7831

Cam-Lok® Pass-Thru Plus 900 Amps Three Phase (120/220V)

The Pass-Thru Plus distribution box features 120/220 Volt bates stage-plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 3Ø, 5-Wire 120/208 VAC

OUTPUTS: 3 (100A-120V), 3 (100A-220V)

AMPS: 900

CONVENIENCE OUTLETS: 2

DIMENSION: 11" x 12.25" x 19.5"

WEIGHT: 49 lbs



TYPE 7841

Cam-Lok® Pass-Thru Plus 1200 Amps Three Phase (120/220V)

The Pass-Thru Plus distribution box features 120/220 Volt bates stage-plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 3Ø, 5-Wire 120/208 VAC

OUTPUTS: 6 (100A-120V), 3 (100A-220V)

AMPS: 1200

CONVENIENCE OUTLETS: 2

DIMENSION: 11" x 12.25" x 23.75"

WEIGHT: 58 lbs



Pass-Thru Plus 3Ø Three Phase

TYPE 7871

Cam-Lok® Pass-Thru Plus 1200 Amps Three Phase (120V)

The Pass-Thru Plus distribution box features 120 Volt bates stage- plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 3Ø, 5-Wire 120/208 VAC

OUTPUTS: 12 (100A-120V)

AMPS: 1200

CONVENIENCE OUTLETS: 1

DIMENSION: 11" x 12.25" x 23.75"

WEIGHT: 60 lbs



TYPE 7881

Cam-Lok® Pass-Thru Plus 1200 Amps Three Phase (220V)

The Pass-Thru Plus distribution box features 220 Volt bates stage- plug outputs, straight and reversed ground connectors, and voltage/frequency test jacks. The compact, lightweight design features chamfered, reinforced corners which are available in customer-defined colors.

INPUT METHOD: 3Ø, 5-Wire 120/208 VAC

OUTPUTS: 6 (100A-220V)

AMPS: 1200

CONVENIENCE OUTLETS: 2

DIMENSION: 11" x 12.25" x 19.5"

WEIGHT: 50 lbs





Switchboard

Single Phase **1Ø**



TYPE 3841
2-Unit DMX Remote Switchboard
800 Amps Single Phase

INPUT METHOD: 1Ø, 4-Wire 120/240 VAC
INPUT: Cam-Lok®
OUTPUT: 8-100A (120V) Bates Outlets and 1-20 Amp Duplex Outlet.
AMPS: 800
CIRCUIT PROTECTION: All receptacles are breaker protected.
DIMENSION: 26.5" x 12" x 18"
WEIGHT: 49 lbs

Switchboards

Three Phase **3Ø**



TYPE 3891
6 x 12kW
48-Circuit Switchboard (DMX)
600 Amps Three Phase

INPUT: Cam-Lok®
OUTPUT: 6-100A (120V) Bates Outlets and 1-20 Amp Duplex Outlet.
AMPS: 600
CIRCUIT PROTECTION: All outlets feature indicator lights and are breaker protected.



TYPE 7141
Moleplex Switchbox
600 Amps Three Phase

INPUT: Cam-Lok®
OUTPUTS: 4-6 Circuit Socapex Connectors, 6-20A Duplex Outlets.
AMPS: 600
CIRCUIT PROTECTION: All outlets feature indicator lights and are breaker protected.



Switchboards Three Phase 3Ø

TYPE 3781
48 x 2.4kW
48-Circuit Switchboard (DMX/Socapex)
960 Amps Three Phase

INPUT: Cam-Lok®
OUTPUT: 16-DMX controlled 6 x 2.4kW Socapex Outlets.
2 Socapex paralleled per 6-channel and 1-20 Amp Duplex Outlet.
AMPS: 960
CIRCUIT PROTECTION: All outlets feature indicator lights and are breaker protected.



TYPE 3901
12 x 12kW
12-Circuit Switchboard (DMX)
1200 Amps Three Phase

INPUT: Cam-Lok®
OUTPUTS: 12-100A (120V) DMX Controlled Bates Outlets
and 1-20 Amp Duplex Outlet.
AMPS: 1200
CIRCUIT PROTECTION: All outlets feature indicator lights
and are breaker protected.



TYPE 3791
6 x 24kW
6-Circuit Switchboard (DMX)
1200 Amps Three Phase

INPUT: Cam-Lok®
OUTPUTS: 6-100A (220V) DMX Controlled Bates Outlets
and 1-20 Amp Duplex Outlet.
AMPS: 1200
CIRCUIT PROTECTION: All outlets feature indicator lights
and are breaker protected.





See-Thru Cam-Lok® Spiders

Three Phase 3Ø



TYPE 799113 **Cam Spider Box** **200 Amp Three Phase**

Designed to distribute 3 phase power to motion picture and television lighting set-ups. They are used mainly as splicing blocks for paralleling multiple, high amperage feeder cables, and for distribution to branch-circuits eliminating the need for threeefers, tee's or adapters.

INPUT/OUTPUT METHOD: 3Ø, 5-Wire 120/208 V.A.C.
INPUT: 1
OUTPUTS: 3
AMPS: 1200 (400 per leg)
CONVENIENCE OUTLET: 1
DIMENSION: 8" x 21" x 8"
WEIGHT: 30 lbs



TYPE 7991 **Cam Spider Box** **2400 Amp Three Phase**

Designed to distribute 3 phase power to motion picture and television lighting set-ups. They are used mainly as splicing blocks for paralleling multiple, high amperage feeder cables, and for distribution to branch-circuits eliminating the need for threeefers, tee's or adapters.

INPUT/OUTPUT METHOD: 3Ø, 5-Wire 120/208 V.A.C.
INPUTS: 2 (In Parallel)
OUTPUTS: 6 (Double Neutral)
AMPS: 2400 (800 per leg)
CONVENIENCE OUTLETS: 2
DIMENSION: 14.25" x 24.5" x 8.25"
WEIGHT: 70 lbs



TYPE 79944 **Cam Spider Box** **4800 Amp Three Phase**

Designed to distribute 3 phase power to motion picture and television lighting set-ups. They are used mainly as splicing blocks for paralleling multiple, high amperage feeder cables, and for distribution to branch-circuits eliminating the need for threeefers, tee's or adapters.

INPUT/OUTPUT METHOD: 3Ø, 5-Wire 120/208 V.A.C.
INPUTS: 4 (In Parallel)
OUTPUTS: 4 (Double Neutral)
AMPS: 4800 (1600 per leg)
CONVENIENCE OUTLETS: 2
DIMENSION: 14.25" x 24.5" x 8.25"
WEIGHT: 72 lbs



Spiders/Breaker/Switch

Three Phase **3Ø**

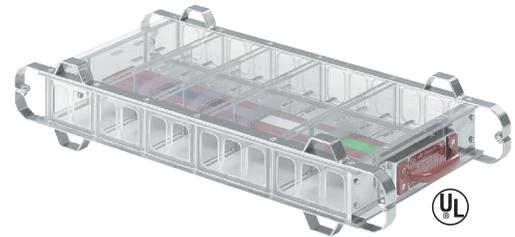
TYPE 3551

See-Thru Lug Spider 5-Bar, 24-Lug

INPUT: 120/208 Volts A.C. Three-phase 5-wire.
Maximum of Two Lugs per Bar on Hot Legs,
Three Lugs per Bar on Neutral & Ground.

DIMENSION: 28.75" x 14.125" x 15.5"

WEIGHT: 26 lbs



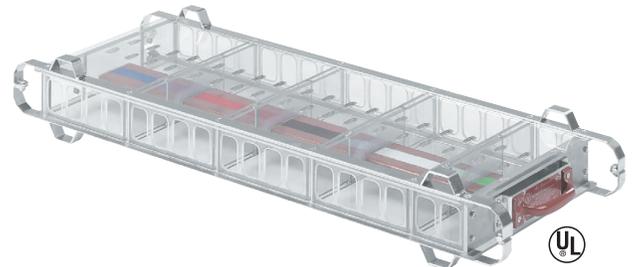
TYPE 3552

See-Thru Lug Spider 5-Bar, 36-Lug

INPUT: 120/208 Volts A.C. Three-phase 5-wire.
Maximum of Four Lugs per Bar on Hot Legs & Neutral,
Two Lugs per Bar on Ground.

DIMENSION: 39.5" x 14.125" x 15.5"

WEIGHT: 33 lbs



TYPE 6921

Mobile™ Breaker 1200 Amp Three Phase

INPUT: 1,200 Amp Three Phase 5-wire 120/208 Volt A.C.

INPUTS/OUTPUT METHOD: Lug

CIRCUIT PROTECTION: 400 Amp (per leg) Three Phase Breaker

DIMENSION: 7" x 29.5" x 20"

WEIGHT: 62 lbs



TYPE 6931

Mobile™ Switch 2400 Amp Three Phase

INPUT: 2,400 Amp Three Phase 5-wire 120/208 Volt A.C.

INPUTS/OUTPUT METHOD: Lug

CIRCUIT PROTECTION: 800 Amp (per leg) Three Phase/Switch

Disconnect Only

DIMENSION: 8.5" x 37.5" x 31.25"

WEIGHT: 92 lbs





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Breaker/Drop Down Box

Three Phase **3Ø**



TYPE 6901

**Cam-Lok® Breaker Box
600 Amp Three Phase**

INPUT: 600 Amp Three Phase 5-wire 120/208 Volt A.C.

INPUTS/OUTPUT METHOD: Cam-Lok®

CIRCUIT PROTECTION: 200 Amp (per leg) Three Phase Breaker

DIMENSION: 8.5" x 18.75" x 14"

WEIGHT: 29 lbs



TYPE 4731

**Drop Down Box
1200 Amps Three Phase**

INPUT/OUTPUT METHOD: Cam-Lok®

2-200A Per Leg Three Phase Breakers

2-200A per Leg 3-Phase, 2-100A Bates

Outlets and 1-20A Duplex Outlet.

AMPS: 1200



Cam-Lok® Pigtail Boxes Three Phase 3Ø

TYPE 5991

Cam-Lok® Pigtail Box 300 Amp Three Phase

INPUT: 300 Amp Three Phase 5-wire 120/208 Volt A.C.

INPUT METHOD: Cam-Lok®

OUTPUT: Three 100 Amp 120 Volt Outlets and
One 20 Amp Duplex Outlet.

CIRCUIT PROTECTION: All outlets feature indicator lights
and are breaker protected.

DIMENSION: 8.25" x 9.75" x 8.75"

WEIGHT: 21 lbs



TYPE 4681

Cam-Lok® Pigtail Box 600 Amp Three Phase

INPUT: 600 Amp Three Phase 5-wire 120/208 Volt A.C.

INPUT METHOD: Cam-Lok®

OUTPUT: Six 100 Amp 120 Volt Outlets and
One 20 Amp Duplex Outlet.

CIRCUIT PROTECTION: All outlets feature indicator lights
and are breaker protected.

DIMENSION: 8.25" x 14.75" x 11"

WEIGHT: 36 lbs





Lunch Box Plus/DMX Lunch Box

Single Phase 1Ø



TYPE 7701

Lunch Box Plus 100 Amp Switchable Pass Thru

As an industry first, 100 Amp Bates pass-thru receptacle is provided with an incorporated 100 Amp switch to de-energize the output for safety and convenience. The aluminum enclosure with reinforced edges is designed for longevity. Nylon skids provides isolation from earth-ground and assist in stacking. An integrated pocket handle allows for easy back-to-back carrying of multiple boxes. *ETL listed under UL standard 1640*

INPUT/OUTPUT METHOD: 100 Amp, 120 Volt Bates

INPUT: 100 Amp, 120 Volt

OUTPUTS: Five 20 Amp Hospital grade Duplex receptacles and One 100 Amp 120 Volt Bates Pass-Thru receptacle.

CIRCUIT PROTECTION: 20 Amp Duplex outlets protected by 20 Amp circuit breakers. 100 Amp bates pass-thru features a 100 Amp switch (not current protected).

DIMENSION: 9" x 9.625" x 6.75"

WEIGHT: 10 lbs



TYPE 6991

Remote DMX Lunch Box 100 Amps Single Phase

This 100 Amp device distributes Six 20 Amp breaker protected circuits through a Six Channel Socapex outlet and controlled by a DMX 512 data input signal. This unit can work in place of an AC dimmer when lights and other AC loads only need to be turned on or off. The main use is switching practices from scene to scene.

INPUT/OUTPUT METHOD: 1Ø, 4-Wire 120/240 VAC

INPUT: Bates

OUTPUT: Socapex

AMPS: 100



Gang Boxes

TYPE 5001467 **60 Amp Gang Box**

INPUTS: 60 Amp 3-Pin Plug.
OUTPUTS: Two 20 Amp Duplex Receptacles.
AMPS: 60
CIRCUIT PROTECTION: 2-20 Amp Breakers.
DIMENSION: 5" x 8" x 2.25"
WEIGHT: 4 lbs



TYPE 5001545 **60 Amp Gang Box**

INPUTS: 60 Amp 3-Pin Plug.
OUTPUTS: Three 20 Amp Duplex Receptacles.
AMPS: 60
CIRCUIT PROTECTION: 3-20 Amp Breakers.
DIMENSION: 5.5" x 9.5" x 2.25"
WEIGHT: 5 lbs



TYPE 5001432 **100 Amp Gang Box**

INPUTS: 100 Amp 3-Pin Plug.
OUTPUTS: Four individual 20 Amp Receptacles.
AMPS: 100
CIRCUIT PROTECTION: 4-20 Amp Breakers.
DIMENSION: 5.75" x 8" x 2.25"
WEIGHT: 6 lbs





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Rubber Boxes



TYPE 5001774 **60 Amp Rubber Box**

INPUTS: 60 Amp 3-Pin Plug.
OUTPUTS: Three 20 Amp Duplex Receptacles.
AMPS: 60
CIRCUIT PROTECTION: 3-20 Amp Breakers.
DIMENSION: 6" x 10.5" x 3.75"
WEIGHT: 9 lbs



TYPE 5001707 **100 Amp Rubber Box**

INPUTS: 100 Amp 3-Pin Plug.
OUTPUTS: Five 20 Amp Receptacles.
AMPS: 100
CIRCUIT PROTECTION: 5-20 Amp Breakers.
DIMENSION: 6" x 10.5" x 3.75"
WEIGHT: 10 lbs



Molestat Dimmers (A.C.)

TYPE 5243

A.C. Molestat Dimmer 1200 Watt

DIMMER: Type 5243.

INPUT RATING: 120 volt, A.C., single phase, 50/60 Hertz, 10 amps maximum, continuous duty.

OUTPUT RATING: 0-140 volts, A.C., 10 amp maximum, 1.4 KVA maximum.

CIRCUIT PROTECTION: 10 amp circuit breaker in load side

SIZE: 7³/₄" x 8¹/₂" x 8³/₄" including handle.

WEIGHT: 15¹/₂ lbs.



TYPE 5233

A.C. Molestat Dimmer 1800 Watt

INPUT RATING: 120 volt, A.C., single phase, 50/60 Hertz, 15 amps maximum, continuous duty.

OUTPUT RATING: 0-140 volts, A.C., 15 amp maximum, 1.8 KVA maximum.

CIRCUIT PROTECTION: 20 amp circuit breaker in load side

SIZE: 10¹/₂" x 10" x 7" including handle.

WEIGHT: 26 lbs.



TYPE 5461

A.C. Molestat Dimmer 2500 Watt

INPUT RATING: 120 volt, A.C., single phase, 50/60 Hertz, 20 amps maximum, continuous duty.

OUTPUT RATING: 0-140 volts, A.C., 20 amp maximum, 1.4 KVA maximum.

CIRCUIT PROTECTION: 20 amp circuit breaker in load side

SIZE: 12" x 12" x 7⁵/₈" including handle.

WEIGHT: 36 lbs.



TYPE 5391

A.C. Molestat Dimmer 5000 Watt

INPUT RATING: 120 volt, A.C., single phase, 50/60 Hertz, 50 amps maximum, continuous duty.

OUTPUT RATING: 0-140 volts, A.C., 50 amp maximum.

CIRCUIT PROTECTION: 50 amp circuit breaker in load side

SIZE: 21¹/₂" x 16" x 24" including handle.

WEIGHT: 106 lbs.





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DMX Dimmers (A.C.)

TYPE 42590

12kW A.C. Dimmer
100 Amps 120 Volts

INPUT RATING: 120 volts, A.C., 3-wire, 100 amps.
OUTPUT RATING: 0-118 volts, A.C., 100 amps.
REMOTE CONTROL: DMX
INPUT POWER CONNECTION: 100 amp, male, 120 volts A.C., 3-pin connector, flush mounted in front panel.
OUTPUT POWER CONNECTION: 100 amp, female, 120 volts A.C., 3-pin connector, flush mounted in front panel.
REMOTE CONTROL SWITCH: Double pole, double throw, remote/local rocker lever switch.
CIRCUIT PROTECTION: 100 amp, double pole, A.C., circuit breaker.
SIZE: 9⁷/₈" x 10¹/₂" x 18³/₄".
WEIGHT: 46 lbs.



TYPE 42540

20kW A.C. Dimmer
100 Amps 208/240 Volts

INPUT RATING: 208/240 volts, A.C., 3-wire, 100 amps.
OUTPUT RATING: 206/238 volts, A.C., 100 amps.
REMOTE CONTROL: DMX
INPUT POWER CONNECTION: 100 amp, male, 208/240 volts A.C., 3-pin connector, flush mounted in front panel.
OUTPUT POWER CONNECTION: 100 amp, female, 208/240 volts A.C., 3-pin connector, flush mounted in front panel.
REMOTE CONTROL SWITCH: Double pole, double throw, remote/local rocker lever switch.
CIRCUIT PROTECTION: 100 amp, double pole, A.C., circuit breaker.
SIZE: 9⁷/₈" x 10¹/₂" x 18³/₄".
WEIGHT: 46 lbs.





DMX Switch/Sliders/Cable

TYPE 53439

48 Channel DMX-512 Switch Box

This device sends the DMX signal to control the On-Off function of multiple Remote Boxes. When used with the Type 53461 24-channel Relay Box (see above), this device can control up to 16 "Old Style" 2-unit AC/DC Type 3801 remote boards (Ducee Boards).



TYPE 534121

Remote Control DMX-512 Single Slider

To be used on any device that requires DMX slide control to operate. Can be used on all Single DMX Dimmers (any manufacturer and MR Type 42540 20K, Type 42590-12K), DMX Shutter Control Type 6611, and DMX Windmachines Type 5971 24", Type 6971 18".



TYPE 53431

6 Channel DMX-512 Switch

This device sends the DMX signal to control the On-Off function of the Type 5341 and Type 6991 Remote Boxes.

DMX Cable

Type 59744 (150 ft)

Type 59743 (100 ft)

Type 59742 (50 ft)

Type 59750 (25 ft)

Type 59751 (10 ft)

Type 59757 (5 ft)

WIRE SIZE: #22/5 AWG Shielded

CONNECTOR: 5-Pin Audio

LENGTHS: 150', 100', 50', 25', 10', 5'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord

(1 per 5' thru 25', 2 per 50' thru 100')





Cam-Lok® Cables

2Ø Single Conductor Feeder

- Type 5001826 (100 ft)
- Type 5001827 (50 ft)
- Type 5001828 (25 ft)
- Type 5001829 (10 ft)



WIRE SIZE: One 2Ø Type SC Cable
CONNECTOR: Cam-Lok® Male and Female
LENGTHS: 100', 50', 25', 10'
 (Length indicated on both ends)
TIE CORD: #8 Sash Cord
 (1 per 10' thru 25', 2 per 50' thru 100')

4Ø Single Conductor Feeder

- Type 5001831 (100 ft)
- Type 5001832 (50 ft)
- Type 5001833 (25 ft)
- Type 5001834 (10 ft)



WIRE SIZE: One 4Ø Type SC Cable
CONNECTOR: Cam-Lok® Male and Female
LENGTHS: 100', 50', 25', 10'
 (Length indicated on both ends)
TIE CORD: #8 Sash Cord
 (1 per 10' thru 25', 2 per 50' thru 100')

#2/5 Banded Feeder

- Type 5001757 (50 ft)
- Type 5001974 (25 ft)
- Type 5001975 (10 ft)



WIRE SIZE: Four #2/1 and One #6/1 Type SC Cables
 (Color coded with reverse ground)
CONNECTOR: Cam-Lok® Male and Female
LENGTHS: 50', 25', 10'
 (Length indicated on both ends)
TIE CORD: #8 Sash Cord
 (1 per 10' thru 25', 2 per 50')

#2/4 Banded Feeder

- Type 5001808 (50 ft)
- Type 5001987 (25 ft)
- Type 5001977 (10 ft)



WIRE SIZE: Three #2/1 and One #6/1 Type SC Cables
 (Color coded with reverse ground)
CONNECTOR: Cam-Lok® Male and Female
LENGTHS: 50', 25', 10'
 (Length indicated on both ends)
TIE CORD: #8 Sash Cord
 (1 per 10' thru 25', 2 per 50')

#2/1 Ground Feeder

- Type 5001987 (100 ft)
- Type 5001844 (50 ft)
- Type 5001979 (25 ft)
- Type 5001990 (10 ft)



WIRE SIZE: One #2/1 Type SC Cable
CONNECTOR: Cam-Lok® Male and Female
LENGTHS: 100', 50', 25', 10'
 (Length indicated on both ends)
TIE CORD: #8 Sash Cord
 (1 per 10' thru 25', 2 per 50' thru 100')

#6/1 Ground Feeder

- Type 5001895 (100 ft)
- Type 5002001 (50 ft)
- Type 5002002 (25 ft)
- Type 5002003 (10 ft)



WIRE SIZE: One #6/1 Type SC Cable
CONNECTOR: Cam-Lok® Male and Female
LENGTHS: 100', 50', 25', 10'
 (Length indicated on both ends)
TIE CORD: #8 Sash Cord
 (1 per 10' thru 25', 2 per 50' thru 100')



Bates Cable

WIRE SIZE: Two #4/1 and One #6/1 Ground Type SC Cables

CONNECTOR: Bates Male and Female

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



**100 Amp Bates Banded Extension
110 Volts**

Type 5001497 (100 ft)
Type 5001299 (50 ft)
Type 5001301 (25 ft)
Type 5001706 (10 ft)

WIRE SIZE: Two #4/1 and One #6/1 Ground Type SC Cables

CONNECTOR: Bates Male and Female

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



**100 Amp Bates Banded Extension
220 Volts**

Type 5001648 (100 ft)
Type 5001316 (50 ft)
Type 5001507 (25 ft)
Type 5002004 (10 ft)

WIRE SIZE: Two #6/1 and One #6/1 Ground Type SO Cables

CONNECTOR: Bates Male and Female

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



**60 Amp Bates Banded Extension
110 Volts**

Type 5001504 (100 ft)
Type 5001333 (50 ft)
Type 5001652 (25 ft)
Type 5002005 (10 ft)

WIRE SIZE: #6/3 Type SO Cable

CONNECTOR: Bates Male and Female

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



**60 Amp Bates Extension
110 Volts**

Type 5001221 (100 ft)
Type 5001103 (50 ft)
Type 5001107 (25 ft)
Type 5001108 (10 ft)

WIRE SIZE: #12/3 Type SO Cable

CONNECTOR: Bates Male and Female

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



**20 Amp Bates Extension
110 Volts**

Type 5001109 (100 ft)
Type 5001118 (50 ft)
Type 5001110 (25 ft)
Type 5001111 (10 ft)

WIRE SIZE: #12/3 Type SO Cable

CONNECTOR: House Male and Female

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



**House Extension
110 Volts**

Type 5001114 (100 ft)
Type 5001100 (50 ft)
Type 5001101 (25 ft)
Type 5001218 (10 ft)

Bates Plugs/Connectors

Terminal and Double Set Screw



TYPE MC255G

TYPE MC355G (Set Screw)

TYPE FC255G

TYPE FC355G (Set Screw)



125 VOLTS

20 Amps, A.C. or D.C. 

CABLE: #12/3 Type SO Cable.



TYPE MC256G

TYPE MC356G (Set Screw)

TYPE FC256G

TYPE FC356G (Set Screw)



30 Amps, A.C. or D.C. 

CABLE: #10/3 Type SO Cable.



TYPE MC257G

TYPE MC357G (Dbl Set Screw)

TYPE FC257G

TYPE FC357G (Dbl Set Screw)



60 Amps, A.C. or D.C. 

CABLE: #8/1 Type W or SO Cable.



TYPE MC258G

TYPE MC358G (Dbl Set Screw)

TYPE FC258G

TYPE FC358G (Dbl Set Screw)



100 Amps, A.C. or D.C. 

CABLE: #4/1 Type W or SO Cable.



TYPE MC264G

TYPE FC264G



250 VOLTS

40 Amps, A.C. or D.C. 

CABLE: #8/1 Type W or SO Cable.



TYPE MC259G

TYPE MC359G (Dbl Set Screw)

TYPE FC259G

TYPE FC359G (Dbl Set Screw)



100 Amps, A.C. or D.C. 

CABLE: #4/1 Type W or SO Cable.



TYPE MC263G

WIDEBODY NOT AVAILABLE IN
FEMALE CONFIGURATION

125 VOLTS Widebody

60 Amps, A.C. or D.C. 

CABLE: Oversized cable opening for
6pc of #8/1 Type W or SO Cable.



Bates Plugs/Connectors

125 VOLTS (Fused)

20 Amps, A.C. or D.C.

One 20 Amp Fuse

CABLE: #12/3 Type SO Cable.



TYPE MC269G



TYPE FC269G

60 Amps, A.C. or D.C.

One 60 Amp Fuse

CABLE: #8/1 Type W or SO Cable.



TYPE MC266G



TYPE FC266G

100 Amps, A.C. or D.C.

One 110 Amp Fuse

CABLE: #4/1 Type W or SC Cable.



TYPE MC261G



TYPE FC261G

250 VOLTS (Fused)

40 Amps, A.C. or D.C.

Two 60 Amp Fuse

CABLE: #8/1 Type W or SC Cable.



TYPE MC267G



TYPE FC267G

100 Amps, A.C. or D.C.

Two 110 Amp Fuse

CABLE: #4/1 Type W or SC Cable.



TYPE MC262G



TYPE FC262G



Connector Accessories



Type 50013A



Type 450212A



Type 50044



Type 500808



Type 500863



Type 500861

Bus Bar Lugs

Bronze castings with square head set screw machined to accept 3/16" allen wrench.

TYPE 50013A for wire sizes 2-4-6

TYPE 450212A for wire sizes 1/0-2/0

TYPE 50044 for wire sizes 3/0-4/0

NOTE: Cable to be crimped onto bus bar lug

TYPE 500808 for wire sizes 2-4-6

TYPE 500863 for wire sizes 1/0-2/0

TYPE 500861 for wire sizes 3/0-4/0

NOTE: Cable to be clamped onto bus bar lug using set screws.



Male Sleeve



Male Pin



Female Sleeve



Female Pin

Cam-Lok® Pin and Sleeve Assembly

E1016 SERIES MALE PIN*

Cable Size Type #2-2/0 or #2/0-4/0 with Double Set Screws.

PANEL MOUNT*

Male with Double Set Screws or Threaded Stud.

E1016 SERIES FEMALE PIN*

Cable Size Type #2-2/0 or #2/0-4/0 with Double Set Screws.

PANEL MOUNT*

Female with Double Set Screws or Threaded Stud.

*Colors available: Green, Blue, White, Red & Black



Male Panel Mount



Female Panel Mount



Male Sleeve



Male Pin



Female Sleeve



Female Pin

Advanced Devices® Pin and Sleeve Assembly

CL SERIES™ MALE PIN

Cable Size Type #2-2/0 or #2/0-4/0 with Double Set Screws.

PANEL MOUNT

Male with Threaded Studs.

CL SERIES™ FEMALE PIN

Cable Size Type #2-2/0 or #2/0-4/0 with Double Set Screws.

PANEL MOUNT

Female with Threaded Studs.

*Colors available: Green, Blue, White, Red & Black



Male Panel Mount



Female Panel Mount





Cam-Lok® Adapters

WIRE SIZE: Two #4/1 and One #6/1 Ground Type SC Cables.

CONNECTOR: Male Bates to Female Cam-Lok® with male reverse ground.

LENGTHS: 23"



100 Amp Male Bates to Female Cam-Lok®
Type 5001759 (Nonfused)

WIRE SIZE: Two #4/1 and One #6/1 Ground Type SC Cables.

CONNECTOR: Female Bates to Male Cam-Lok® with female reverse ground.

LENGTHS: 23"



100 Amp Female Bates to Male Cam-Lok®
Type 5001633 (Nonfused)
Type 5001569 (Fused)

WIRE SIZE: Two #4/1 and One #6/1 Ground Type SC Cables.

CONNECTOR: Male Bates to Female Cam-Lok® with male reverse ground.

LENGTHS: 23"



240 Volts
100 Amp Male Bates to Female Cam-Lok®
Type 5001550 (Nonfused)

WIRE SIZE: Two #4/1 and One #6/1 Ground Type SC Cables.

CONNECTOR: Female Bates to Male Cam-Lok® with female reverse ground.

LENGTHS: 23"



240 Volts
100 Amp Female Bates to Male Cam-Lok®
Type 5001568 (Nonfused)

WIRE SIZE: Four #4/1 and Two #6/1 Ground Type SC Cables.

CONNECTOR: Female Bates to Male Cam-Lok® with female reverse ground.

LENGTHS: 23"



2-100 Amp Female Bates to Male Cam-Lok® (Snakebite)
Type 5001661 (Nonfused)

WIRE SIZE: Four #4/1 and Two #6/1 Ground Type SC Cables.

CONNECTOR: Female Bates to Male Cam-Lok® with female reverse ground.

LENGTHS: 23"



240 Volts
2-100 Amp Female Bates to Male Cam-Lok® (Snakebite)
Type 5001681 (Nonfused)

WIRE SIZE: Three #6/1 Type SC Cables.

CONNECTOR: Female Bates to Male Cam-Lok® with female reverse ground.

LENGTHS: 18"



60 Amp Female Bates to Male Cam-Lok®
Type 5001894 (Nonfused)



Cam-Lok® Adapters

Male Cam-Lok® to Lug
Type 5001983



WIRE SIZE: #4/0 Type SC Cable.
CONNECTOR: Male Cam-Lok® to Lug.
LENGTHS: 18"

Female Cam-Lok® to Lug
Type 5001984



WIRE SIZE: #4/0 Type SC Cable.
CONNECTOR: Female Cam-Lok® to Lug.
LENGTHS: 18"

Male Cam-Lok® to Lug
Type 5001821



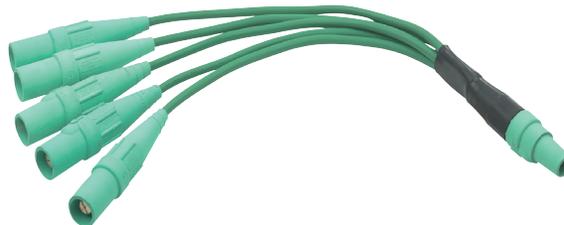
WIRE SIZE: #4/0 Type SC Cable.
CONNECTOR: Male Cam-Lok® to Lug.
LENGTHS: 10'

Female Cam-Lok® to Lug
Type 5001822



WIRE SIZE: #4/0 Type SC Cable.
CONNECTOR: Female Cam-Lok® to Lug.
LENGTHS: 10'

Female Cam-Lok® to 5-Male Cam-Lok® (Ground Squid)
Type 5001886



WIRE SIZE: Five #6/1 Type SC Cables.
CONNECTOR: Female Cam-Lok® to Five Male Cam-Lok®.
LENGTHS: 18"

Tapping "T"



CONNECTOR: Female Cam-Lok® to Male and Female Cam-Lok®.
LENGTHS: 4"

Threefer



CONNECTOR: Male Cam-Lok® to Three Female Cam-Lok®.
LENGTHS: 4"

Parallel "T"



CONNECTOR: Female Cam-Lok® to Two Male Cam-Lok®.
LENGTHS: 4"



Bates Adapters

WIRE SIZE: Six #8/1 Type W Cables.
CONNECTOR: Male Bates to Two Female Bates.
LENGTHS: 18"



**100 Amp Male Bates to
2-60 Amp Female Bates**
Type 5001104 (Nonfused)
Type 5001586 (Fused)

WIRE SIZE: Four #4/1 and Two #6/1 Type SC Ground Cables.
CONNECTOR: Male Bates to Two Female Bates.
LENGTHS: 18"



**100 Amp Male Bates to
2-100 Amp Female Bates**
Type 5001262 (Nonfused)
Type 5001468 (Fused)

WIRE SIZE: Four #4/1 and Two #6/1 Type SC Ground Cables.
CONNECTOR: Male Bates to Two Female Bates.
LENGTHS: 18"



240 Volts
**100 Amp Male Bates to
2-100 Amp Female Bates**
Type 5001700 (Nonfused)
Type 5001702 (Fused)

WIRE SIZE: Fifteen #12/1 Type SO Cables.
CONNECTOR: Male Bates to Five Female Bates.
LENGTHS: 18"



**100 Amp Male Bates to
5-20 Amp Female Bates**
Type 5001112 (Nonfused)
Type 5001718 (Fused)

WIRE SIZE: Fifteen #12/1 Type SO Cables.
CONNECTOR: Male Bates to Five Female House Plugs.
LENGTHS: 18"



**100 Amp Male Bates to
5-House Plugs**
Type 5001861 (Nonfused)

WIRE SIZE: Six #8/1 Type W Cables.
CONNECTOR: Male Bates to Two Female Bates.
LENGTHS: 18"



**60 Amp Male Bates to
2-60 Amp Female Bates**
Type 5001444 (Nonfused)
Type 5001567 (Fused)



Bates Adapters

**60 Amp Male Bates to
3-20 Amp Female Bates**
Type 5001105 (Nonfused)
Type 5001705 (Fused)



WIRE SIZE: Nine #12/1 Type SO Cables.
CONNECTOR: Male Bates to Three Female Bates.
LENGTHS: 18"

**20 Amp Male Bates to
2-20 Amp Female Bates**
Type 5001113 (Nonfused)
Type 5001476 (Fused)



WIRE SIZE: Six #12/1 Type SO Cables.
CONNECTOR: Male Bates to Two Female Bates.
LENGTHS: 18"

**20 Amp Male Bates to
Female House Plug**
Type 5001116 (Nonfused)



WIRE SIZE: #12/3 Type SO Cables.
CONNECTOR: Male Bates to Female House Plug.
LENGTHS: 12"

**20 Amp Female Bates to
Male House Plug**
Type 5001117 (Nonfused)



WIRE SIZE: #12/3 Type SO Cables.
CONNECTOR: Female Bates to Male House Plug.
LENGTHS: 12"

**Male House Plug to
2-Female House Plugs**
Type 5001578 (Nonfused)



WIRE SIZE: Six #14/1 Type SO Cables.
CONNECTOR: Six Male House Plugs to Two Female House Plugs.
LENGTHS: 18"



Socapex Adapters

WIRE SIZE: Six #12/3 Type SJO Cables

CONNECTOR: Male Socapex to Six 20 Amp Female Bates

LENGTHS: 6'
(Each cable numbered at one end)

TIE CORD: #8 Sash Cord



**Male Socapex to
6-Female Bates
(20 Amp Break-Out)**
Type 5832

WIRE SIZE: Six #12/3 Type SJO Cables

CONNECTOR: Female Socapex to Six 20 Amp Male Bates

LENGTHS: 6'
(Each cable numbered at one end)

TIE CORD: #8 Sash Cord



**Female Socapex to
6-Male Bates
(20 Amp Break-In)**
Type 5833

WIRE SIZE: Six #12/3 Type SJO Cables

CONNECTOR: Male Socapex to Six Female House Plugs

LENGTHS: 6'
(Each cable numbered at one end)

TIE CORD: #8 Sash Cord



**Male Socapex to
6-Female House Plugs
(Break-Out)**
Type 5834

WIRE SIZE: Six #12/3 Type SJO Cables

CONNECTOR: Female Socapex to Six Male House Plugs

LENGTHS: 6'
(Each cable numbered at one end)

TIE CORD: #8 Sash Cord



**Female Socapex to
6-Male House Plugs
(Break-In)**
Type 5835

WIRE SIZE: Two #16/18 Moleplex Cables

CONNECTOR: Male Socapex to Two Female Socapex

LENGTHS: 6'

TIE CORD: #8 Sash Cord



**Male Socapex to
2-Female Socapex Splitter**
Type 5839

WIRE SIZE: One #12/14 Moleplex Cable

CONNECTOR: Male Socapex to Female Socapex

LENGTHS: 100', 50', 25', 10'
(Length indicated on both ends)

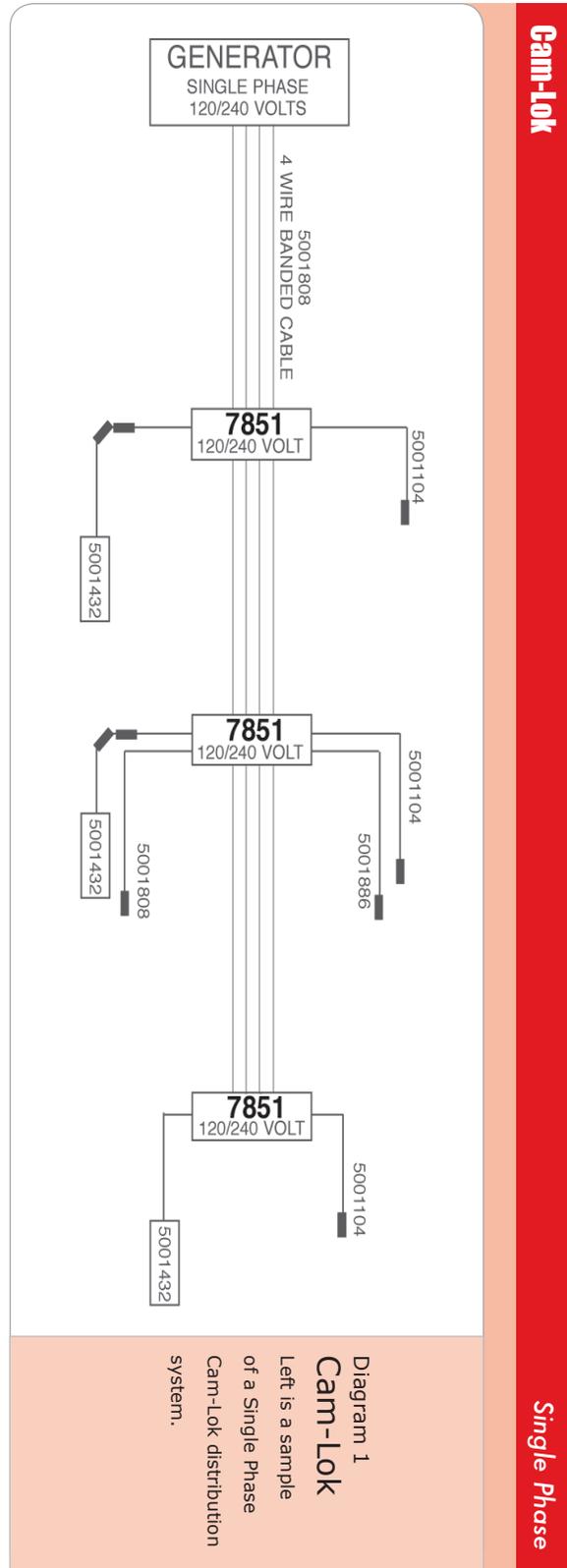
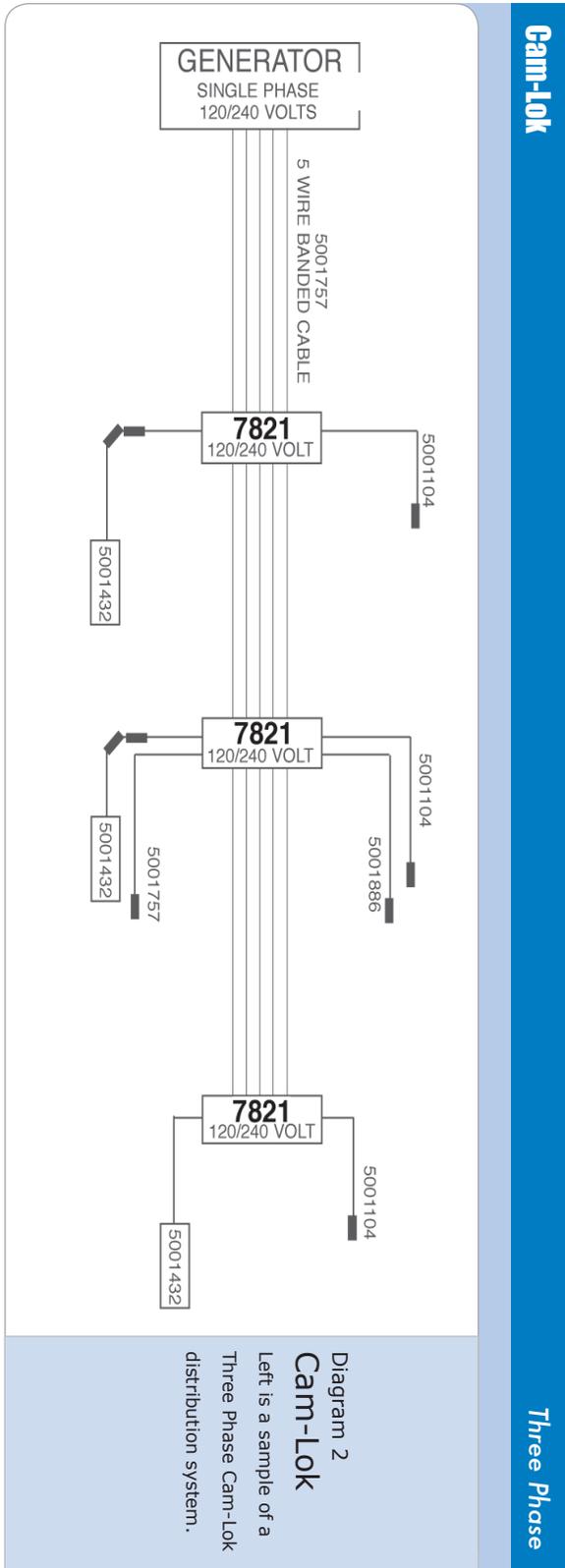
TIE CORD: #8 Sash Cord
(1 per 10' thru 25', 2 per 50' thru 100')



Socapex Extension
Type 58312 (150 ft)
Type 5838 (100 ft)
Type 58311 (75 ft)
Type 5837 (50 ft)
Type 5836 (25 ft)
Type 58310 (10 ft)



Distribution Systems





Distribution Data

Incandescent Lamps (@120 Volts)

| Globe Wattage | Globe Amperage |
|---------------|----------------|
| 100 | .083 |
| 200 | 1.7 |
| 500 | 4.2 |
| 575 | 4.8 |
| 600 | 5.0 |
| 650 | 5.4 |
| 750 | 6.3 |
| 1,000 | 8.3 |
| 1,200 | 9.9 |
| 1,500 | 12.5 |
| 2,000 | 16.7 |
| 2,400 | 20.0 |
| 5,000 | 41.6 |
| 10,000 | 83.3 |
| 12,000 | 99.6 |
| 20,000/208 | 86.0@208V |
| 20,000/220 | 99.2@240V |
| 24,000/208 | 115A@208V |

| HMI | |
|---------------|------------------|
| Globe Wattage | Ballast Amperage |
| 200 | 5 |
| 400 | 6 |
| 575 | 7 |
| 1,200 | 15 |
| 2,500 | 25 |
| 4,000 | 38 |
| 6,000 | 65 |
| 12,000 | 70A@240V |
| 18,000 | 75A@240V |
| 18,000 | 105A@208V |

| Arc Lamps (@115-120 Volts) | |
|----------------------------|----------|
| Type Number | Amperage |
| 40 | 40 |
| 90 | 120 |
| 170 | 150 |
| 450, 4591, 4581 | 225 |
| 4601, 4611, 4691 | 225 |

Table 1

How to use the Tables on this page.

- 1) Know the total amount of power at your supply point.
- 2) Be sure your supply has ample fusing.
- 3) Compute the amperage load **Table 1** for the maximum units of lighting equipment you expect to use and be sure it does not exceed your total supply. The quantity of and variety of lights should be sufficient to provide flexibility in all photographic situations and since all will not be used at one time, only the maximum number of lights to be used at one time will form the basis for computing amperage load.

$$\text{Amps} = \frac{\text{Watts}}{\text{Volts}}$$
- 4) Relate your available power to the current carrying capacities in **Table 2** and decide on adequate cables.
- 5) See **Table 3** for Cable Voltage Drop at different distances.

Copper Cable Type SC Entertainment 90°C

| AWG Size of Conductors | Ampacity(*)(**) | |
|------------------------|----------------------|-----|
| | Number of Conductors | |
| | 1 | 2+ |
| 8 | 80 | 74 |
| 6 | 105 | 99 |
| 4 | 140 | 130 |
| 2 | 190 | 174 |
| 2/0 | 300 | — |
| 4/0 | 405 | — |

Table 2

* Based on 2002 NEC.
 ** Additional capacity can be obtained by paralleling cables.
 † Number of conductors carrying current in a single jacket.

Cable Voltage Drop

| Cable Size | 100 ft. | 200 ft. | 300 ft. | 400 ft. | 500 ft. | 600 ft. |
|------------|---------|---------|---------|---------|---------|---------|
| 40 | 116.6 | 112.8 | 109.2 | 105.6 | 102.0 | 98.4 |
| 300A | 115.9 | 111.9 | 107.7 | 102.8 | 99.6 | — |
| 20 | 114.7 | 109.3 | 104.8 | 98.3 | — | — |
| 225A | 113.6 | 107.1 | 100.7 | — | — | — |
| #2 | 112.2 | 106.0 | 96.5 | — | — | — |
| 140A | 110.6 | 101.1 | — | — | — | — |
| #4 | — | — | — | — | — | — |
| 105A | — | — | — | — | — | — |
| #6 | — | — | — | — | — | — |
| 80A | — | — | — | — | — | — |
| #8 | — | — | — | — | — | — |
| 60A | — | — | — | — | — | — |

Table 3



Mole-Richardson Co.