Base Power Infeed Installation for Training Tables with Modular Table Power System

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**WARNING**

**Risk of Fire or Electric Shock**

1. For use in indoor, dry locations only.
2. Read and install in accordance with all assembly directions.
3. Only connect to products labeled “Modular Table Power System” by Steelcase.
4. Do not modify or strain cables. If damaged, remove from service immediately.
5. Disconnect modular electrical connections before servicing or reconfiguring tables.
6. Tables must be held together with ganging hardware as described in this document, and NOT held together solely by electrical components.
7. Cable clamps must be no more than 12" from modular cable end connector or receptacle.

**Base Power Infeed Usage**

A base power infeed is required to provide power to Modular Table Power Kits. All power infeeds have a female connector.

Two versions of infeeds are available:

-20 Amp plug - The 20-amp plug infeed is used when reconfigurability is needed, and does not require an electrician. The plug infeed can only be used with circuit-1 receptacles.

-Hardwire - When the installation is permanent or local electrical codes are restrictive, the hardwire base power infeed is available. This infeed must be installed by a licensed electrician in compliance with all local and national codes. The hardwire infeed can be used with circuit-1 and circuit-2 receptacles.

**Electrical Circuits**

The modular table power kit is a 20 Amp, 4-wire, 2-circuit system. The 20 Amp plug infeed allows up to 13 circuit-1 duplex receptacles. The hardwire infeed allows up to 13 duplex receptacles per circuit for a total of 26. The duplex receptacle(s) in the table power kit and every two simplex receptacles from the desktop module count against the 13 duplex receptacles allowed for each circuit. Receptacle faces on the Modular Table Power Kits are marked I, for circuit 1 and II, for circuit 2.
## Base Power Infeed - 20 Amp Plug

The plug base power infeed is a single-circuit (circuit 1) power infeed with 24" of rubber cord and a 20-Amp plug on one end coupled to 48" of flexible steel conduit with a female modular connector on the other end.

### Base Power Infeed - Hardwire

The hardwire base power infeed is a two-circuit (circuits 1 & 2) flexible steel conduit with a 4-wire pigtail for hardwire connection on one end and a female modular connector on the other end.

### Hardwire Power Infeed Tether

A flexible braided steel tether is included with the hardwire power infeed kit. The tether anchors the table to the building, preventing disengagement of electrical connections. The first table in a series of tables connected with power, must be anchored in place with the tether.

The tether provided is 12" shorter than the hardwire infeed cable. If the hardwire infeed cable is shortened, the tether must also be shortened to maintain the structural connection. The tether length between its connection to the table and the building must always be shorter than the hardwire infeed length between its modular connection and the building. An extra loop and crimp are provided for the cut end of the tether.

### Note:

- All electrical installations must be reviewed with the local authority for compliance with local code, and must be performed by a qualified person in accordance with codes and regulations applicable at the installation site.

### Warning

Risk of Fire or Electric Shock

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![Circuit Diagrams](image-url)
Base Power Infeed Assemblies

20 Amp Plug

**SHIPPED COMPONENTS:**
- 1 cable/cord assembly
- 1 hardware kit

**HARDWARE:**
- 2 #10 phillips head screws/black
- 2 cushioned clamps

**TOOLS REQUIRED:**
- drill and .157” dia. drill bit
- #2 phillips head driver

**Hardwire**

**SHIPPED COMPONENTS:**
- 1 cable assembly
- 1 hardware kit

**HARDWARE:**
- 1 tether assembly
- 1 thumb screw
- 2 #10 phillips head screws/black
- 2 Cushioned Clamps
- 1 loop
- 1 crimp

**TOOLS REQUIRED:**
- drill and .157” dia. drill bit
- #2 phillips head driver
- crimping tool required if tether is shortened.

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**Installing Hardwire Infeed**

1. Determine location of building power supply.

2. Determine which table will be first in the series and where power infeed will connect to modular cable.
   *Note: All power infeed cables have a female connector.*

3. Determine power infeed cable routing.
   Recommended routings include:
   - Along table leg
   - Through optional vertical wire manager (Runner & Akira only)
   - Directly into wall

4. Carefully place table upside down onto rug or other soft, clean surface.

5. Remove ganging hardware from corner of table where power infeed will be connected.

6. Remove modular cable end from conduit snap-clip at corner of table where infeed will be connected; then remove snap-clip.
   *Note: Snap-clip is not required for fastening modular cable.*
Installing Hardwire Infeed (continued)

7. Insert thumb screw through tether loop.

8. Locate threaded insert near end of table where infeed will be connected. Attach tether to table by fastening tether loop and thumb screw assembly into threaded insert.

**WARNING**

Risk of Fire or Electric Shock

9. Connect power infeed to modular cable.
   - Match like colors only. (Green-to-Green, Red-to-Red, Black-to-Black and White-to-White). Push connectors together until both latches engage.

10. Relocate conduit clamp. Mark mounting hole location.
   - Do not allow more than 12” of cable between modular connector and clamp.

11. Wrap first cushioned clamp around Base Power Infeed conduit between shrink-wrapped ground wire and ID label. Wrap second clamp approximately 1/4” from first, but with mounting hole location on opposite side of the conduit. Mark mounting hole locations.
   - Ensure both cushioned conduit clamps are positioned per artwork shown.

12. Drill pilot holes for clamps .157” diameter by .50” deep, then fasten clamps.

13. Carefully flip tables upright into use position, and make ganging connection(s).

14. Securely anchor tether to building.

**WARNING**

Risk of Fire or Electric Shock

15. Connect hardwire infeed to building power.
   - Connection must be performed by a qualified person following local and national electrical codes.
Installing 20 Amp Plug Infeed

1. Determine location of power outlet in wall or floor of building.

2. Determine which table will be first in the series and where power infeed will connect to modular cable. *Note: All power infeed cables have a female connector.*

3. Determine power infeed cable routing. Recommended routings include:
   - Along table leg
   - Through optional vertical wire manager (Runner & Akira only)
   - Directly into wall

4. Carefully place table upside down onto rug or other soft, clean surface.

5. Remove ganging hardware from corner of table where power infeed will be connected.

6. Remove modular cable end from conduit snap-clip at corner of table where infeed will be connected, then remove snap-clip. *Note: Snap-clip is not required for fastening modular cable.*

TIP: Place a shim under rug to allow a finger hold when assembled unit is ready to upright.
Installing 20 Amp Plug Infeed (continued)

**WARNING**

Risk of Fire or Electric Shock

7. Connect power infeed to modular cable.
   - Match like colors only. (Green-to-Green, Red-to-Red, Black-to-Black and White-to-White). Push connectors together until both latches engage.

8. Relocate conduit clamp. Mark mounting hole location.
   - Do not allow more than 12” of cable between modular connector and clamp.

9. Wrap first cushioned clamp around Base Power Infeed conduit between shrink-wrapped ground wire and ID label. Wrap second clamp approximately 1/4” from first, but with mounting hole location on opposite side of the conduit. Mark mounting hole locations.
   - Ensure both cushioned conduit clamps are positioned per artwork shown.

10. Drill pilot holes for clamps .157” diameter by .50” deep, then fasten clamps.

11. Carefully flip tables upright into use position, and make ganging connection(s).

12. Plug cord into 20 Amp electrical outlet.