

electrics & communications

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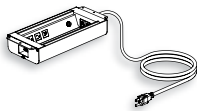
application guide

electrics & communications overview

ABOVE-WORKSURFACE POWER



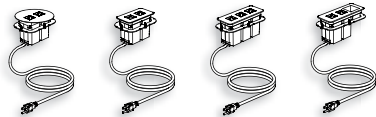
Recessed Module
– Access Door
(MXPRD)



Recessed Module
– Power Hub
(MXPRH)



Keystone
Insert
(MXPPK)

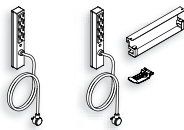


Flush Power
Module
(MXPPF)

BELOW-WORKSURFACE POWER



Below Power
Module
(MXPPB)



Plug-In Power
Bar
(MXPPP)

Not Included (see Complements products)



Swerv USB
Hub, Branched,
Standard Plug-in
(YMSUBA)



Swerv USB Hub,
Single, Standard
Plug-in
(YMSUSA)

WE CONNECT SYSTEM



Distribution Block
(MXPPB)



Linking Cable
(MXPPC)



Plug-In
Basefeed Unit
(MXPPF)

CABLE MANAGERMENTS



Floor Cable
Cover
(MXPPF)



Wrap Around
Cable Manager
(MXPPW)



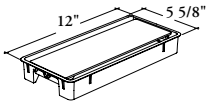
Media Grommet
– Round
(MXPPG)

above-worksurface power basics

Expansion Meeting Tables offer two above-worksurface solutions for convenient access to power and communication cables.

- For planning with all Above- and Below-Worksurface Powers, refer to the pages 87 to 89

recessed module – access door

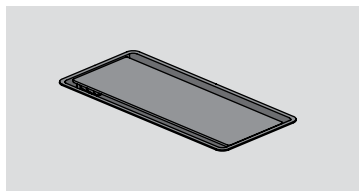
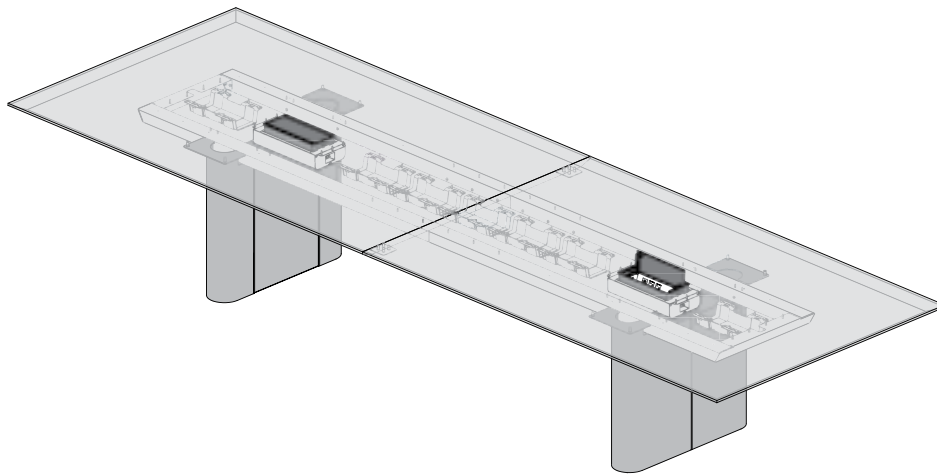
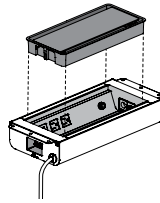


Recessed Module – Access Door (MXPRD)

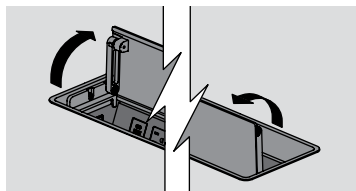
- Recessed Module – Access Door (MXPRD) must be specified with a Recessed Module – Power Hub (MXPRH)
- The access door is compatible with solid and specialty top tables
- Compatible with surface from 1" to 1 1/2" thickness
- The number of recessed power module cutouts per table varies depending on the table's dimension. Refer to the Meeting Tables section for details

Finishes:

Access Door: Foundation, Mica or Accent

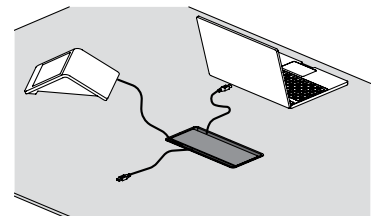


CLOSED



BOTH SIDES OPENING

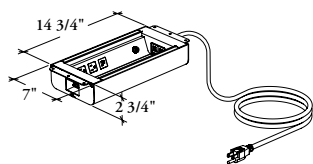
- The Recessed Module – Access Door features a single door that can be opened from both sides allowing easy access to the Recessed Module – Power Hub (MXPRH)



- A gap allows the door to close even when temporary and/or permanent devices are plugged in (cords must have a diameter less than 8mm)

above-worksurface power basics (continued)

recessed module – power hub



Recessed Module – Power Hub (MXPRH)

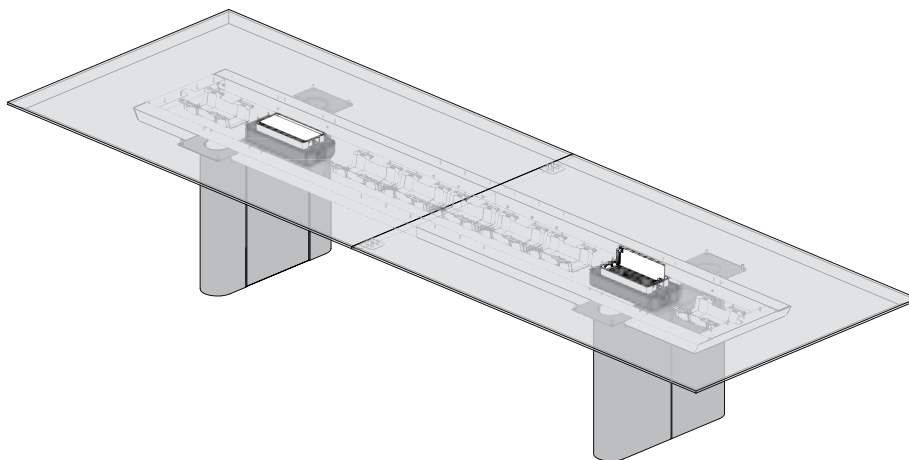
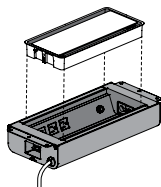
- Must be used in combination with a Recessed Module – Access Door (MXPRD)
- Provides power, USB access and media connections on both sides
- Compatible with solid or specialty top tables
- Country of installation: Canada / U.S.A. (A)
- The number of recessed power module cutouts per table varies depending on the table's dimension. Refer to Meeting Tables section for details

Finishes:

Receptacle: Ebony Coordinate (YY)

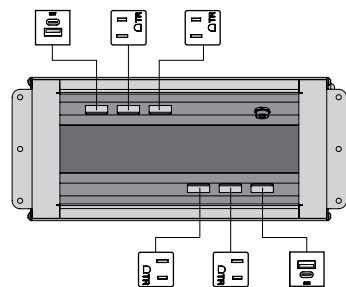
Case: Soft Black (2Z)

Felt Pad: Heather Felt (Pinon Tree)

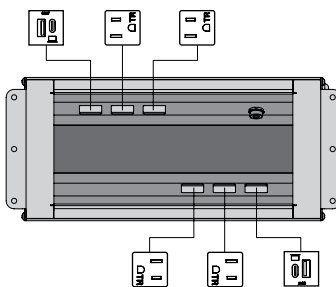


faceplate styles & configurations

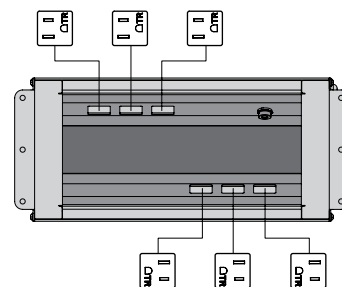
INSIDE TOP VIEWS



4Power / 2USB-A+C (18W) (CL)



4Power / 2USB-A+C (65W) (CK)



6Power (CM)

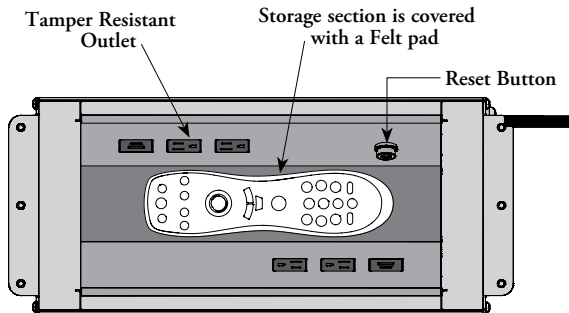
module features

- This module is made of PVC free electrical components
- Each USB outlet features one USB-A port and one USB-C port
- The USB-A port supplies 10 Watts maximum at 5 Volts DC when used alone
- Keystone Insert (MXPPK) are **not** included and must be field installed
- **4Power / 2USB-A+C (18W) (CL):**
 - Each USB-C port supplies 18 Watts maximum at 5 to 12 Volts DC when used alone
 - Maximum combined output is 15 Watts when both ports are used
- **4Power / 2USB-A+C (65W) (CK):**
 - Each USB-C port supplies 65 Watts at 5 to 20 Volts DC when used alone
 - The maximum combined output is 30 Watts when both ports are used: 12 Watts for USB-A port and 18 Watts for USB-C port
 - This reduced output in dual port mode will **not** support charging of laptops or quick charging of phones/tablets that require more than 5 Volts DC
 - The USB-C port will charge laptops up to 65 Watts and support quick charge when used in single port mode

above-worksurface power basics (continued)

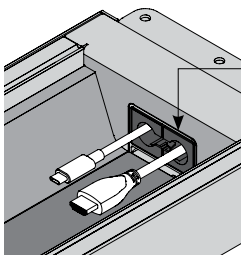
recessed module – power hub (continued)

module features (continued)

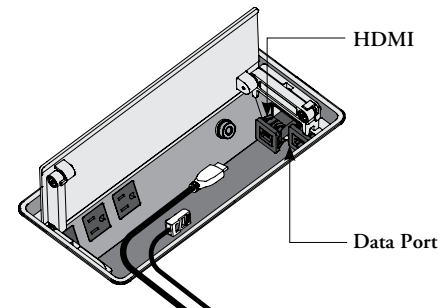
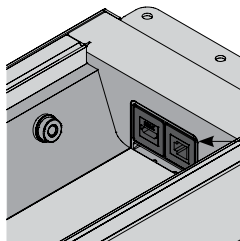


Inserts

- Recessed Module – Power Hub (MXPRH) features a reset button, and space to store a standard remote control or extra cables
- Each end of the module can accommodate 2 inserts (4 total)

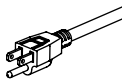


- Four cable manager inserts are included with the module. These inserts feature pass-through allowing cables to come in and out of the module while preventing larger connector (like HDMI) to fall off
- More options for Keystone Insert (MXPPK) are sold separately. Refer to the next page for more details

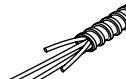


cord lengths & plug types

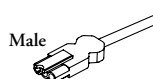
- Check local codes for potential limits or restrictions on products
- The hardwire connection to the building power supply or other must be executed by a qualified electrician



Standard Plug-In (A)
3-prong straight plug
(PVC Free)



Hardwire (H)
Hard Wire Base Feed –
Single Circuit



WE Connect (W)
(PVC Free)
For more details, Refer
to WE Connect System
section

Cord Lengths

- Standard Plug-In (A): 72" , 120" or 180"
- Hardwire (H): 72"
- WE Connect (W): 18"

above-worksurface power basics (continued)

keystone inserts

Keystone Insert (MXPPK)

- Highly versatile modular components primarily used in structured cabling for computer networks, audio, video, and other communication applications
- Compatible with Recessed Module – Power Hub (MXPRH)
- Configuration: Single (KA)
- **Not** compatible with Linear Power Module

Finish:

Receptacle: Ebony Coordinate (YY)

- Four types are available:



User Supplied (00)
User Supplied type
Keystone receptacle fits
Keystone coupler only



HDMI (01)
Keystone Jack with 8K
60Hz and 4K 120Hz



Data Port (02)
CAT6 RJ45 Keystone Jack
Inline Coupler

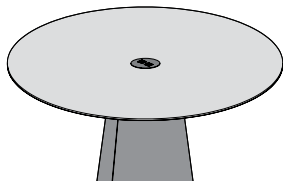


Cable Manager (03)
Cable management and
protection

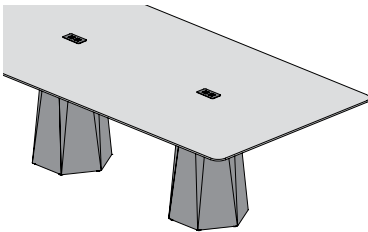
flush power modules

faceplate styles & electrical cutouts

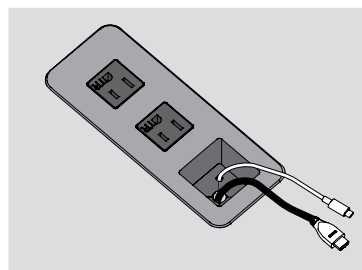
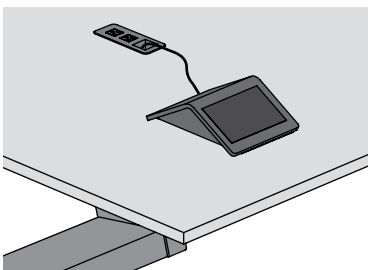
Circular (C)
and Dual (AH)



Rectangular (R)
and Dual (AH)



Rectangular (R) or Rectangular
with Pass-Through (T) (Shown)
and Triple (AJ)



Flush Power Module (MXPPF)

- Provides a direct access to power and USB charging at surface level
- The Rectangular with Pass-Through (T) configuration can be used to route electronic devices or display cables
- Dimensions:
 - Circular (C) – Dual (AH): 4 3/4" diameter
 - Rectangular (R) – Dual (AH): 4 3/4" w X 2 1/2" d
 - Rectangular (R) or Rectangular with Pass-Through – Triple (AJ): 6 1/2" w X 2 1/2" d
- Compatible with solid and specialty top tables
- **Not** available in Chicago
- Country of installation: Canada / U.S.A. (A)
- The number of Flush Power Module cutouts per table vary depending on table dimensions. Refer to Meeting Tables and Round & Square Tables sections

Finishes:

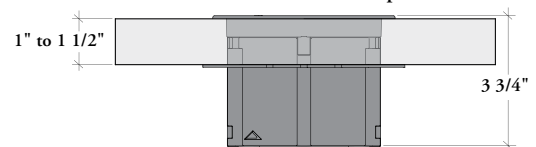
Receptacle: Atrium White Coordinate (YA), Soft Gris Coordinate (YS) or Ebony Coordinate (YY)

Faceplate: Foundation, Mica or Accent

Housing: Black

Flexible Pass-Through: Black

FRONT VIEW
Module / Solid Top



- Compatible with solid (Shown) and specialty top tables
- Compatible with surface from 1" to 1 1/2" thickness

above-worksurface power basics (continued)

flush power modules (continued)

module features

- This module is made of PVC free electrical components
- Each USB outlet features one USB-A port and one USB-C port
- The USB-A port supplies 10 Watts maximum at 5 Volts DC when used alone

1Power/ 1USB-A+C (18W) (AM) and 2Power/ 1USB-A+C (18W) (BA):

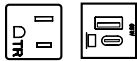
- Each USB-C port supplies 18 Watts maximum at 5 to 12 Volts DC when used alone
- Maximum combined output is 15 Watts when both ports are used

1Power / 1USB-A+C (65W) (AJ) and 2Power / 1USB-A+C (65W) (AZ):

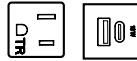
- Each USB-C port supplies 65 Watts at 5 to 20 Volts DC when used alone
- The maximum combined output is 30 Watts when both ports are used: 12 Watts for USB-A port and 18 Watts for USB-C port
- This reduced output in dual port mode will **not** support charging of laptops or quick charging of phones/tablets that require more than 5 Volts DC
- The USB-C port will charge laptops up to 65 Watts and support quick charge when used in single port mode

faceplate styles & configurations INSIDE TOP VIEWS

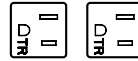
Circular (C) or Rectangular (R) – Dual (AH)



1Power / 1USB-A+C (65W) (AJ)



1Power / 1USB-A+C (18W) (AM)

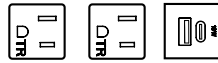


2Power (AS)

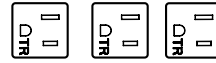
Rectangular (R) – Triple (AJ)



2Power / 1USB-A+C (65W) (AZ)



2Power / 1USB-A+C (18W) (BA)

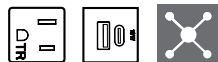


3Power (BJ)

Rectangular with Pass-Through (T) – Triple (AJ)



1Power / 1USB-A+C (65W) (AJ)

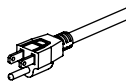


1Power / 1USB-A+C (18W) (AM)

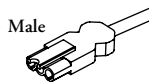


2Power (AS)

cord lengths & plug types



Standard Plug-In (A)
3-prong straight plug
(PVC Free)



WE Connect (W)
(PVC Free)
For more details, Refer
to WE Connect System
section

Cord Lengths

- Standard Plug-In (A): 72" , 120" or 180"
- WE Connect (W): 18"

below-worksurface power basics

Expansion Meeting Tables offer three below-worksurface solutions for convenient access to power and communication cables.

plug-in power bar

- Approved for use in both Canada and the United States. If a product is to be used elsewhere, contact Teknion's Customer Service
- No daisy chain allowed

Plug-In Power Bar (MXPPP)

- Length: 72", 120" and 180"
- Provides a 3-wire system. It can be used to connect up to four pieces of electrical equipment
- Plugs directly into standard receptables
- Features a flat 45° plug that enables placing furniture closer to the wall
- The Single Wire Management Clips can be placed anywhere under the table

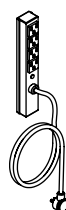
Finishes

Power Bar: Clear Anodized

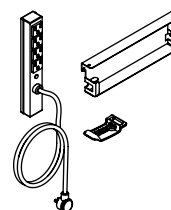
Underworksurface Bracket: Recycled Paint

Single Wire Management Clips: Black

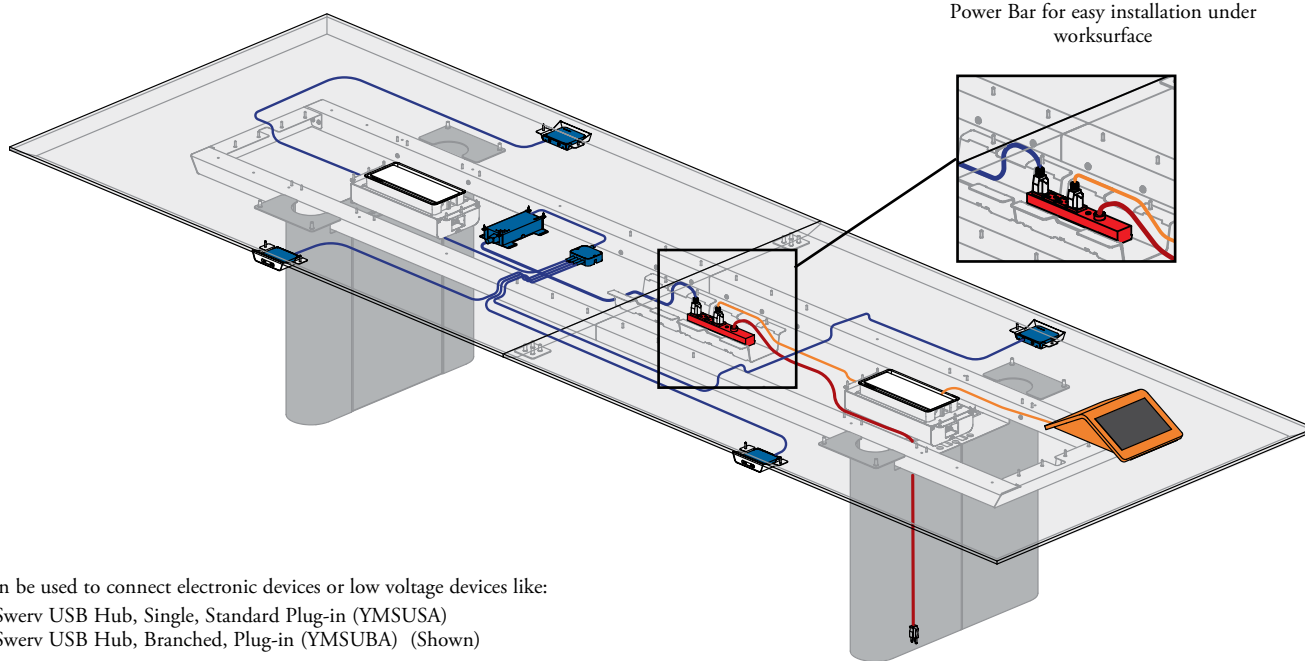
- Two configurations are available:



No Mounting Hardware (N)
Can be installed anywhere under a worksurface

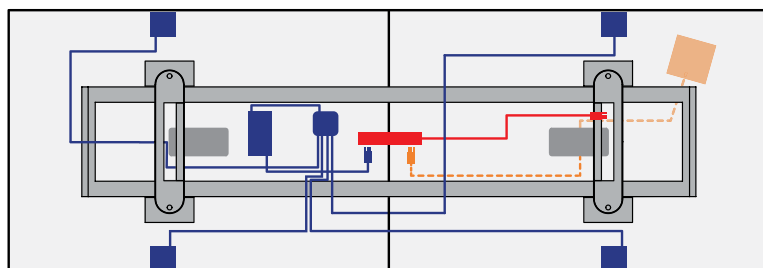


Worksurface Mounted (H)
Underworksurface Bracket and Single Wire Management Clips are included with Power Bar for easy installation under worksurface



- Can be used to connect electronic devices or low voltage devices like:
 - Swerv USB Hub, Single, Standard Plug-in (YMSUSA)
 - Swerv USB Hub, Branched, Plug-in (YMSUBA) (Shown)

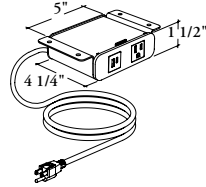
refer to the page 85 for more details



- Plug-In Power Bar
- Swerv USB Hub, Branched, Plug-in
- Recessed Module – Power Hub
- Device

below-worksurface power basics (continued)

below power module



Below Power Module (MXPBP)

• Discreet solution that offers peripheral power and communication. It can also be used in combination with the Recessed Module – Power Hub (MXPRH) or the Flush Power Module (MXPPF)

- Mounting Option: Standard Undermount (U)
- Not available in Chicago
- Country of installation: Canada / U.S.A. (A)

Finishes:

Receptacle: Atrium White Coordinate (YA), Soft Gris Coordinate (YS)* or Ebony Coordinate (YY)

Faceplate: Foundation, Mica or Accent

Bracket: Foundation, Mica or Accent

***Restriction:** 1Power / 1HDMI / 1HDMI Rear Throughport (RD) is **not** available Soft Gris Coordinate Finish (YS)

module features

- This module is made of PVC free electrical components
- Each USB outlet features one USB-A port and one USB-C port
- The USB-A port supplies 10 Watts maximum at 5 Volts DC when used alone

1Power / 1USB-A+C (18W) / 1Rear Power (RB):

- Each USB-C port supplies 18 Watts maximum at 5 to 12 Volts DC when used alone

- Maximum combined output is 15 Watts when both ports are used

1Power / 1USB-A+C (65W) / 1Rear Power (RA):

- Each USB-C port supplies 65 Watts at 5 to 20 Volts DC when used alone
- The maximum combined output is 30 Watts when both ports are used: 12 Watts for USB-A port and 18 Watts for USB-C port

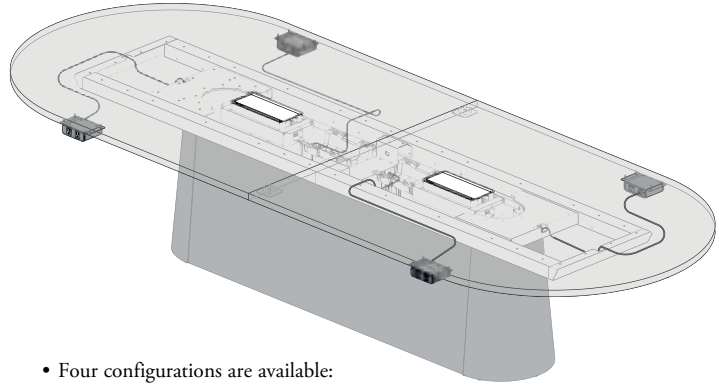
- This reduced output in dual port mode will **not** support charging of laptops or quick charging of phones/tablets that require more than 5 Volts DC

- The USB-C port will charge laptops up to 65 Watts and support quick charge when used in single port mode

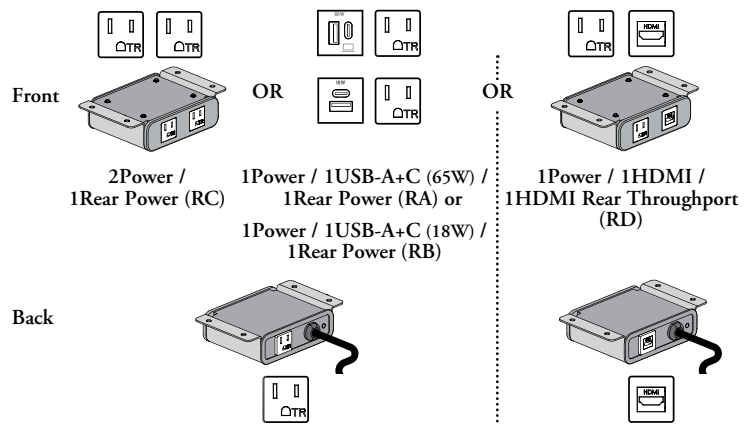
module front positions

Below Power Module is compatible with all worksurface styles

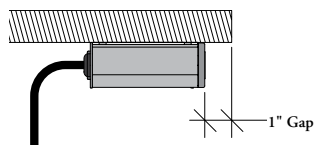
- The Below Power Module can be installed anywhere along the width or the depth of the table (**no** dedicated locations)



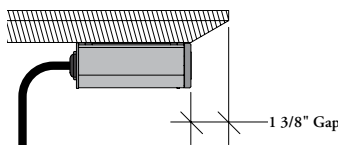
- Four configurations are available:



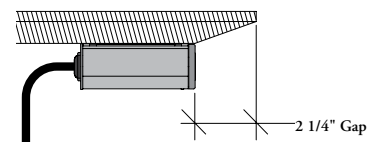
SIDE VIEWS



Flat Edge (1 3/16") (M)

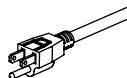


Knife Edge (1 3/16") (V)

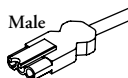


Deep Knife Edge (1 3/16") (W)

cord lengths & plug types



Standard Plug-In (A)
3-prong straight plug
(PVC Free)



WE Connect (W)
(PVC Free)
For more details, Refer
to WE Connect System
section

Cord Length

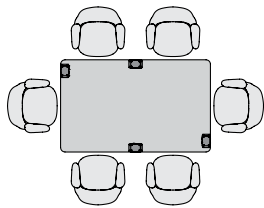
- Standard Plug-In (A): 72" , 120" or 180"
- WE Connect (W): 54" or 72"

below-worksurface power basics (continued)

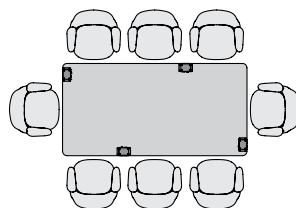
below power module positions

- The following chart highlights quantity of modules and users in all configurations
- Here are the recommended quantities and positions when planning with Below Power Module (MXPBP), Swerv USB Hub, Single, Standard Plug-in (YMSUSA) or Swerv USB Hub, Branched, Plug-in (YMSUBA) relative to the specified table width

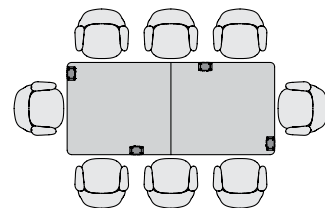
meeting tables



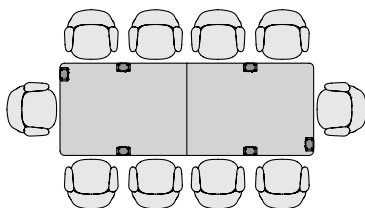
72" to 90"
for 6 users and
4 modules



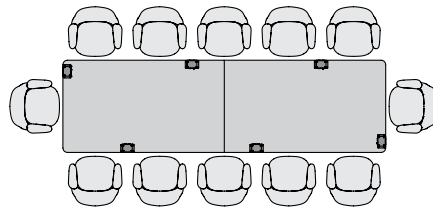
96"
for 8 users and
4 modules



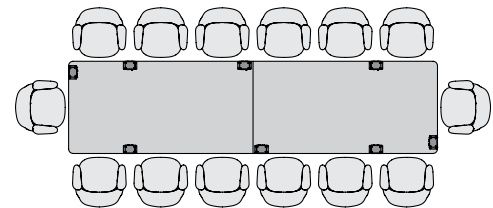
108" or 120"
for 8 users and
4 modules



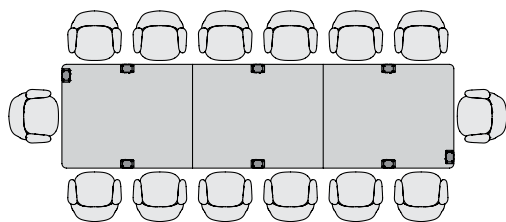
132" or 144"
for 10 users and
6 modules



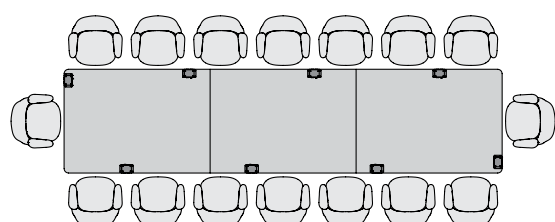
156" to 180"
for 12 users and
6 modules



192"
for 14 users and
8 modules

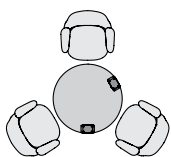


204" or 216"
for 14 users and
8 modules

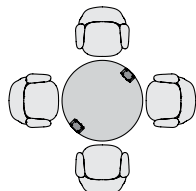


228" or 240"
for 16 users and
8 modules

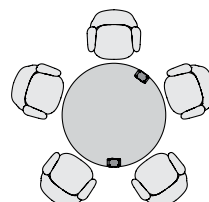
round & square tables



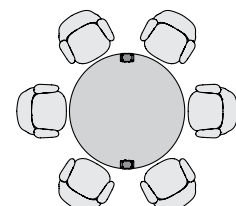
36"
for 3 users and
2 modules



42" or 48"
for 4 users and
2 modules



54"
for 5 users and
2 modules



60"
for 6 users and
2 modules

below-worksurface power basics (continued)

optional swerv USB hubs

Complement Swerv USB Hubs (YMSUBA or YMSUSA) are also available to offer a discrete peripheral power solution. They can also be used in combination with Recessed & Flush Power Module. For more details, refer to the Complements products

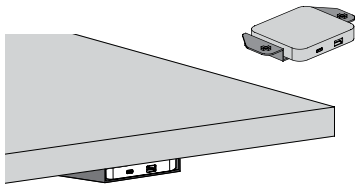


Swerv USB Hub, Single, Standard Plug-in (YMSUSA)

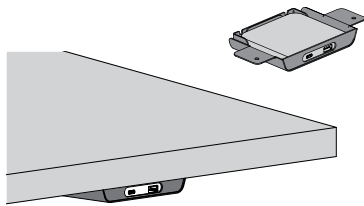


Swerv USB Hub, Branched, Plug-in (YMSUBA)

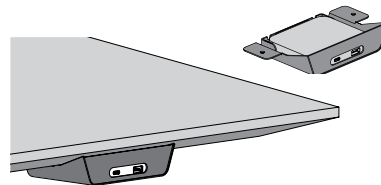
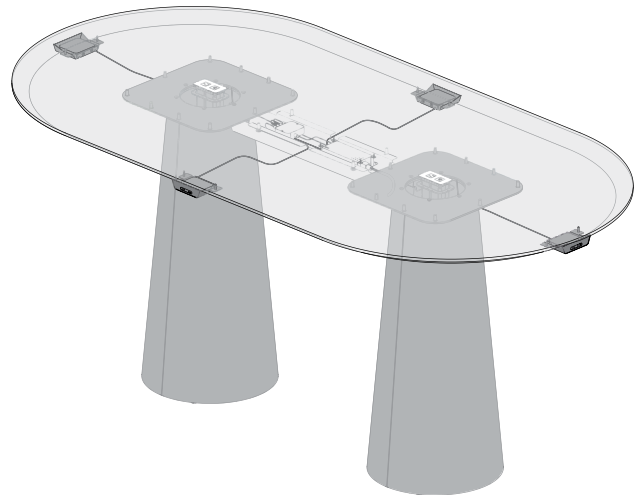
undermount cover options



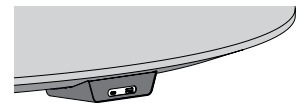
None



Standard (Flat Edge (1 3/16"), Knife Edge (1 3/16") or Specialty Top
Can also be installed under a round top

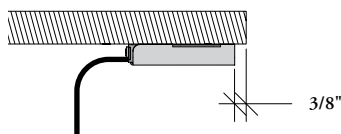


Deep Knife Edge (1 3/16") or Specialty Top
Can also be installed under a round top

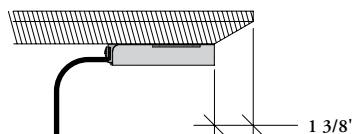


undermount cover positions

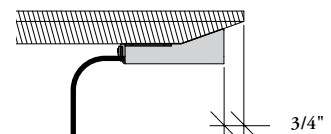
Here are the recommended position for Swerv USB Hub depending on the worksurface style:



Flat Edge (1 3/16") (M) 3/8"



Knife Edge (1 3/16") (V) 1 3/8"



Deep Knife Edge (1 3/16") (W) 3/4"

WE connect system basics

The WE Connect System allows connection of multiple Power Modules together while being powered by a single outlet (plug).

WE Connect Distribution Block (MXPWB)

- Connect power components to split power

- Two configurations are available:



1 Male Connector
3 Female Connectors

1in – 3out (13)

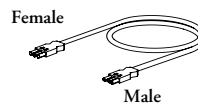


1 Male Connector
5 Female Connectors

1in – 5out (15)

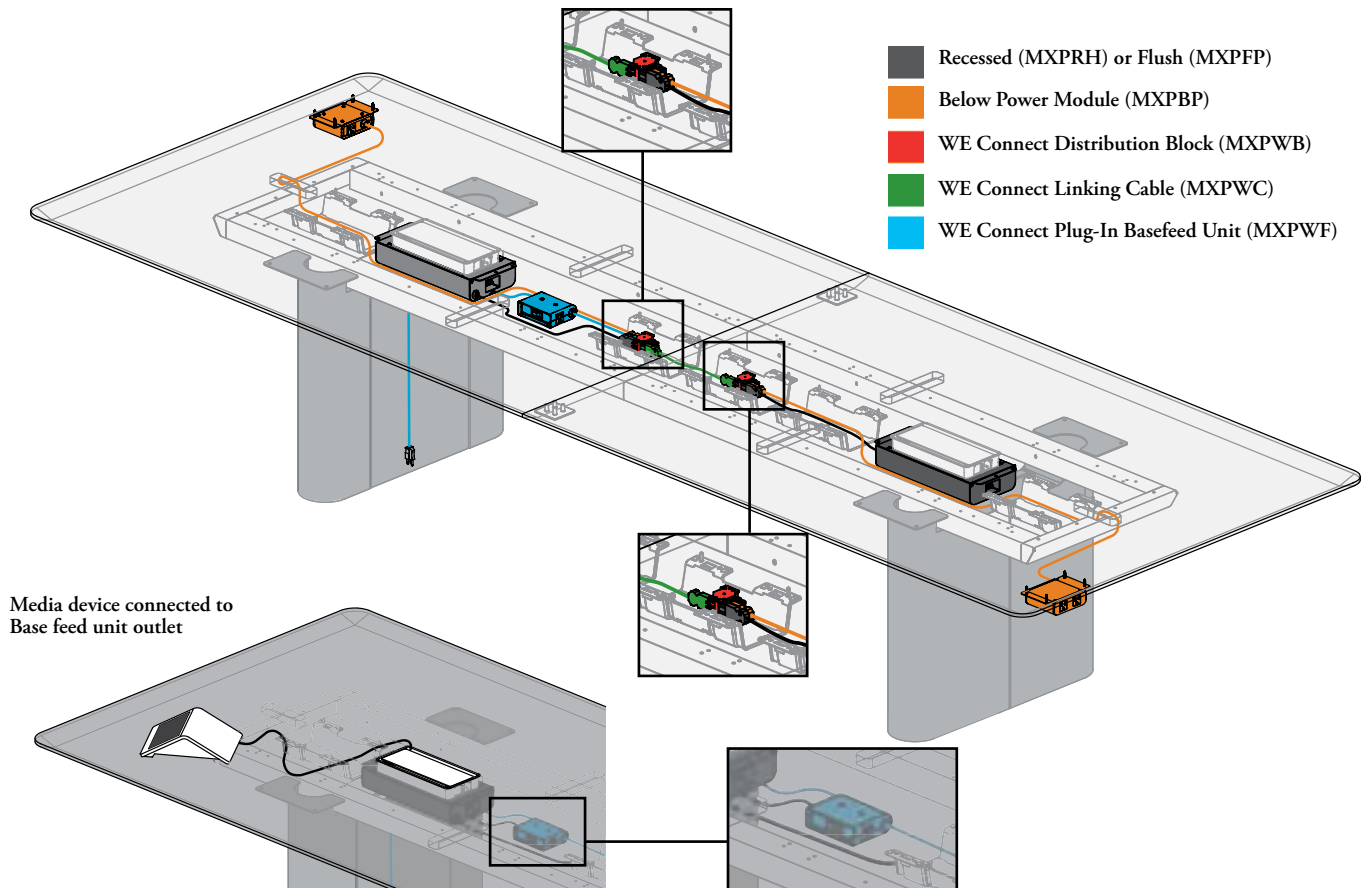
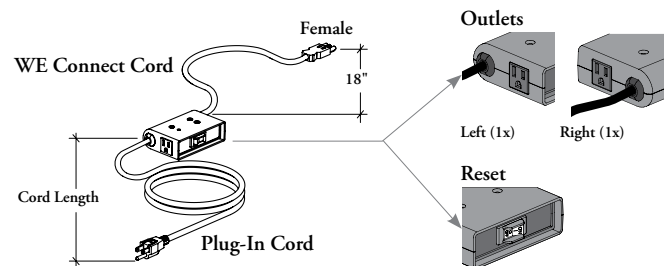
WE Connect Linking Cable (MXPWC)

- The WE Connect Linking Cable is required to reach a surface WE Connect Power Solution or a WE Connect Distribution Block
- Cord Length: 72"



WE Connect Plug-In Basefeed Unit (MXPWF)

- The WE Connect Plug-in Basefeed Unit connects to the building supply and routes power into the table from the wall or floor
- Can also provide power to electronic devices
- Cord Length: 72" or 120"
- Country of Installation: Canada / U.S.A. (A)



planning with WE connect system

The following should be considered when planning with WE Connect System.

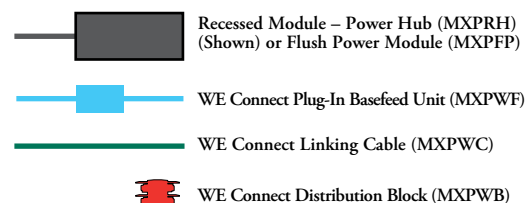
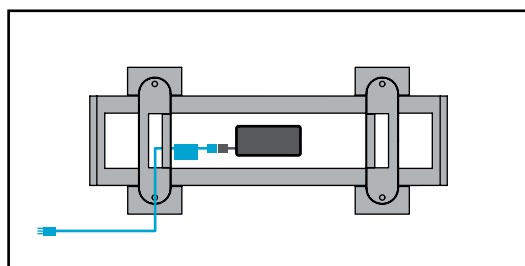
- When planning with WE Connect System, a maximum of 12 WE Connect Power Modules can be connected together including the WE Connect Plug-in Basefeed Unit. (MXPRH, MXPFP, MXPBP, MXPWF) If more than one Basefeed cord is used, the additional Basefeed must be plugged into a different circuit
- The longest past from plug to furthest WE Connect module should **not** exceed 50 feet

WE connect system with recessed or flush power module – power distribution

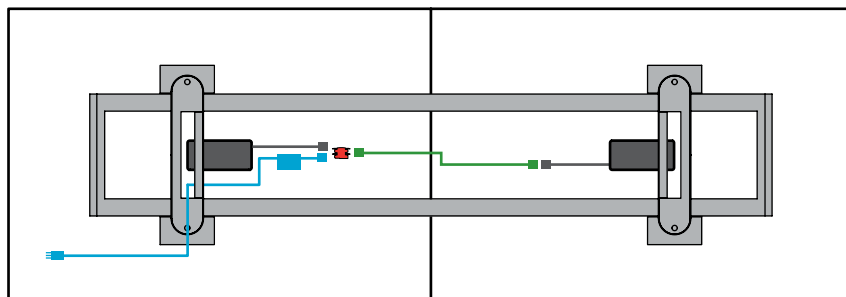
WE Connect Distribution Block (MXPWB)

- 1in – 3out connection (13) should be used when using surface power only: Recessed Power Module – Power Hub (MXPRH) or Flush Power Module (MXPFP)
- It is necessary to add a Distribution Block for every additional Power Module device

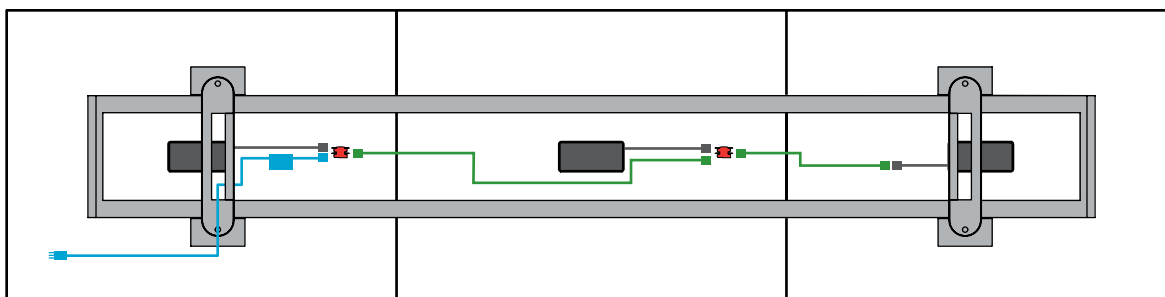
96" wide table



108" to 192" wide tables



204" to 240" wide tables



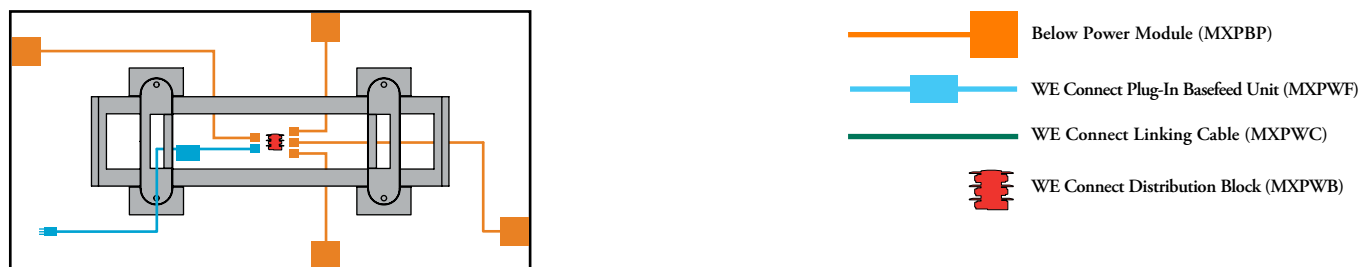
planning with WE connect system (continued)

WE connect system with below power module – power distribution

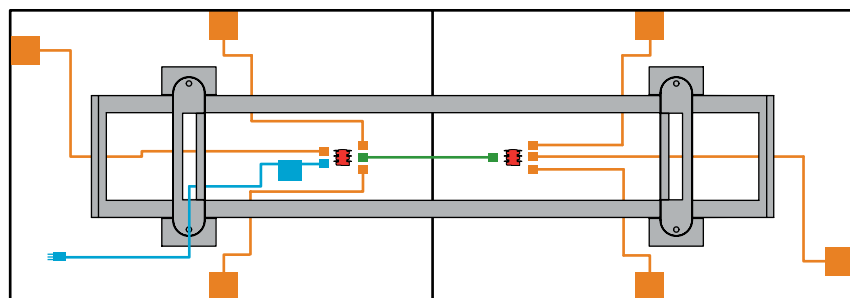
WE Connect Distribution Block (MXPWB)

- 1in – 5out connection (15) should be used when using Below Power Module (MXPBP)
- It is necessary to have a Distribution Block per table top

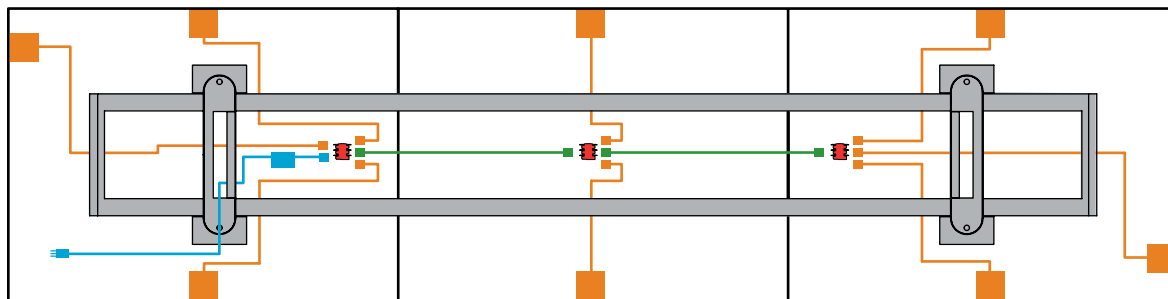
96" wide table



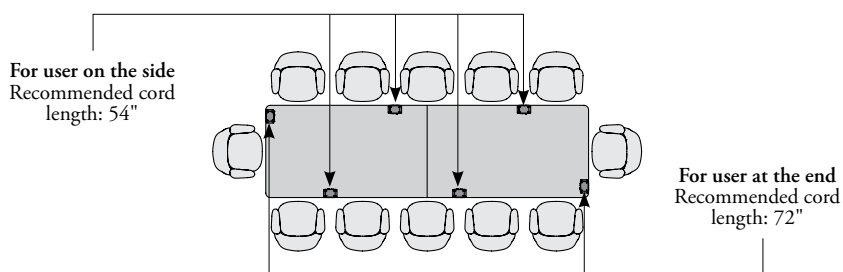
108" to 192" wide tables



204" to 240" wide tables



Recommended Below Power Module Cord Length
when used with WE Connect



planning with WE connect system (continued)

WE connect system with recessed or flush & below power modules – power distribution

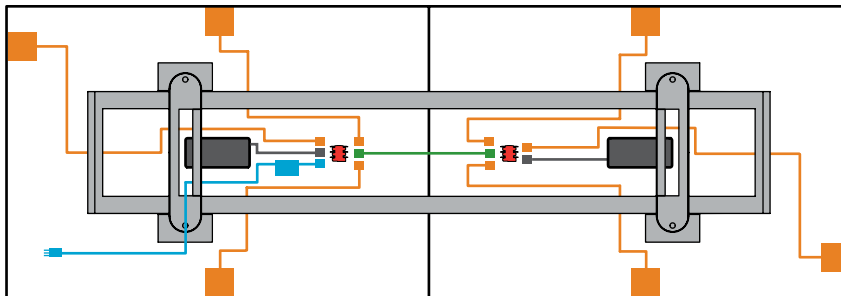
WE Connect Distribution Block (MXPWB)

1in – 5out connection (15) should be used when using a Recessed Power Module – Power Hub (MXPRH) or Flush Power Module (MXPFP) in combination with a Below Power Module (MXPBP)

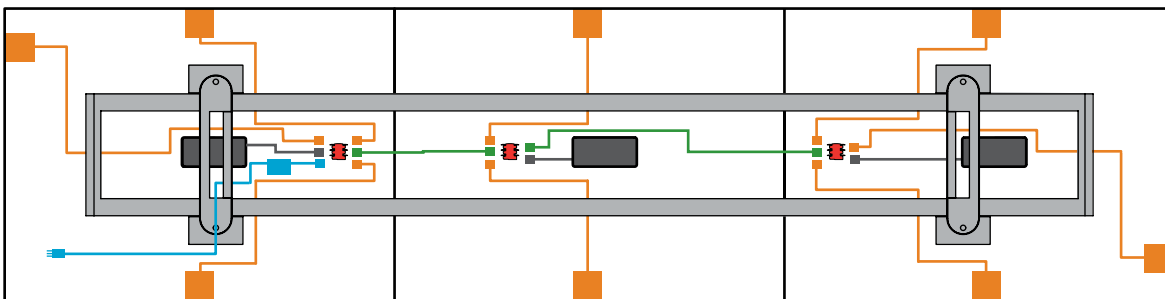
96" wide table



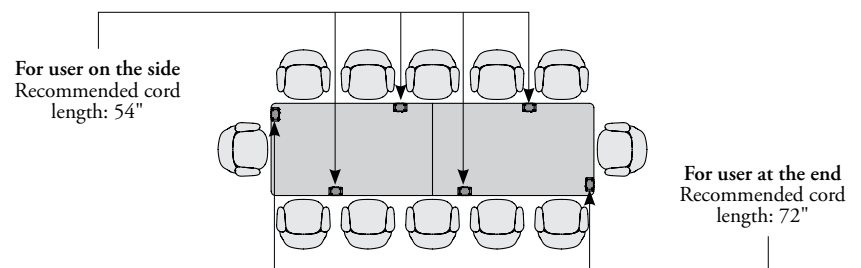
108" to 192" wide tables



204" to 240" wide tables



Recommended Below Power Module Cord Length when used with WE Connect



floor cable cover basics

This component can be installed to run cables from the floor to the Tables.

- All following products can be specified separately
- Check local codes for potential limits or restrictions on products and local authority approval may be required prior to use
- Not intended to be used in corridors or circulation paths, the product is designed for low traffic area like meeting room

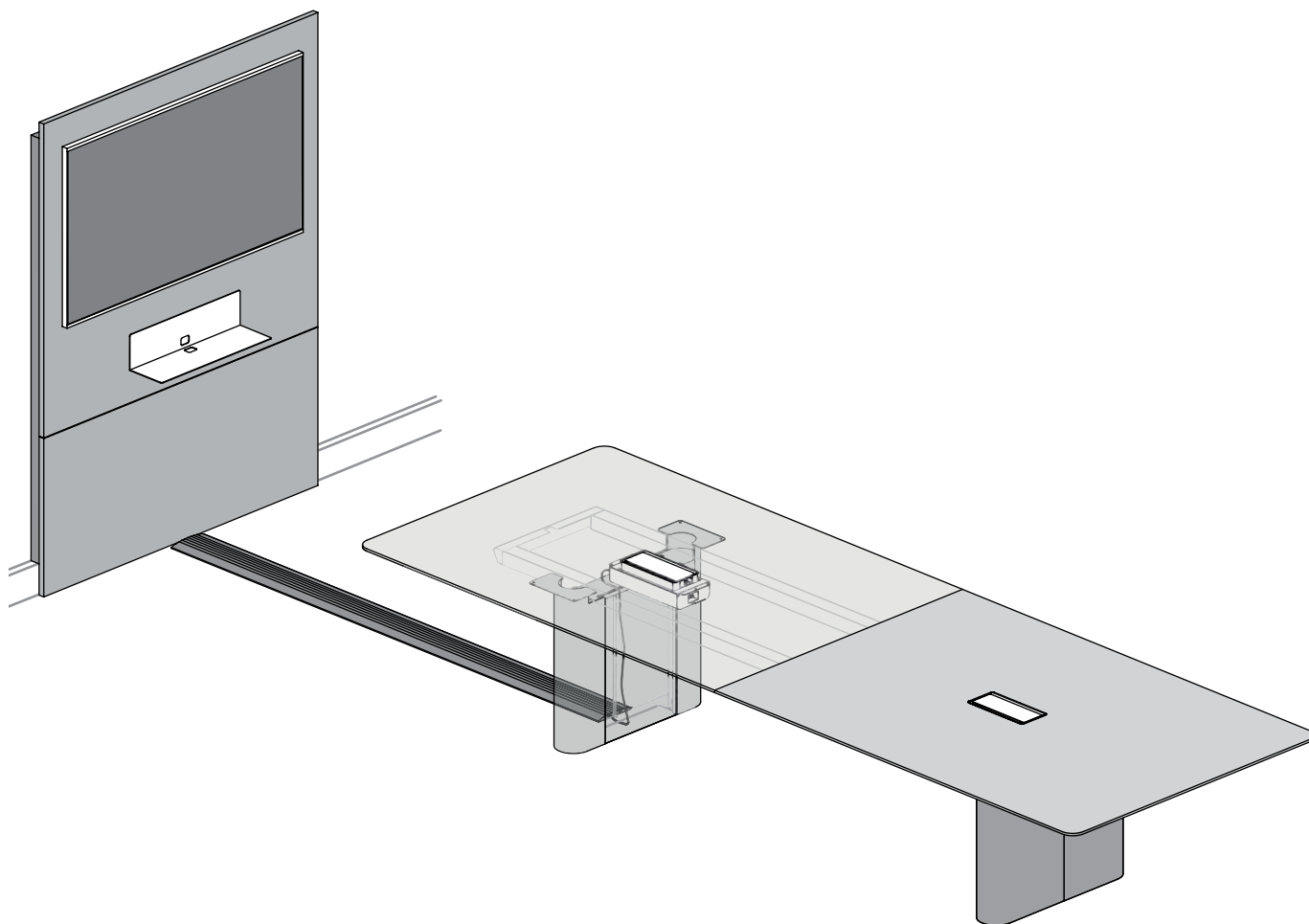


Floor Cable Cover (MXPMF)

- The Floor Cable Cover offers a secure way to route cables on the floor from the power source to the table
- Widths: 36" to 96" (1" increments)
- Offers flexibility when the power source location is separated from the furniture layout
- Comes with Velcro® and mounting holes to ensure the fixation on a variety of flooring style

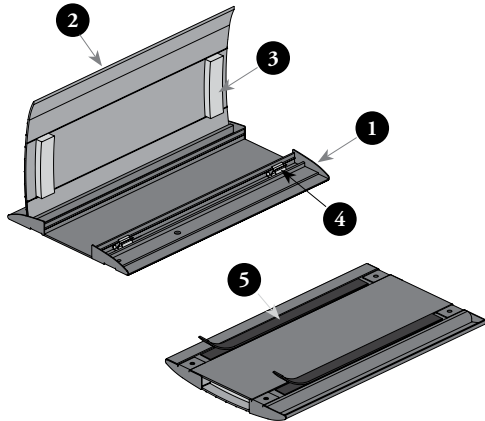
Finishes:

Cover: Clear Anodized (AC), Foundation, Accent or Mica color



floor cable cover basics (continued)

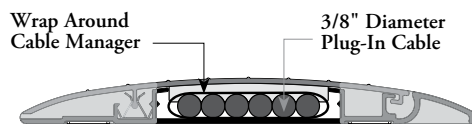
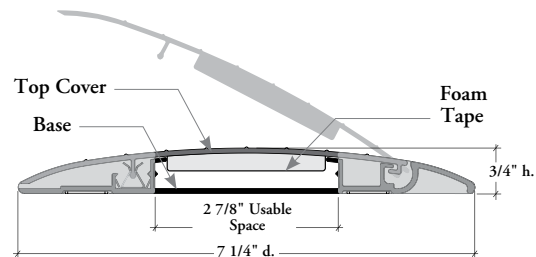
components



- 1 **Base Section** will be fixed to the floor and organizes the cable
- 2 **Top Cover** is hinged to allow access to the cables
- 3 **Foam Tape** offers protection to the cable at the end of the Floor Cable Cover and also helps keeping the cables securely in place
- 4 **Metal Clips** allow to secure the cover
- 5 **Underside Velcro®** allow the product to be fixed to multiple types of floors. Use the appropriate combination of male and female Velcro® depending on the flooring material. Mounting holes are also available to use screws (**not** included)

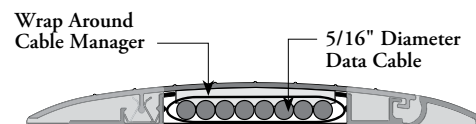
capacity

- This cover allows routing of power and data cables. It can also run audio and video cables to the meeting table
- A Hard Wire Base Feed **cannot** be routed from power module or power hardness
- Routed inside the Floor Cable Cover



6 plug-in cables

The Floor Cable Cover has a capacity of 6 plug-in cables (up to 3/8" diameter each) when used in combination with the Wrap Around Cable Manager (BLWAC)



8 data cables (CAT6a)

The Floor Cable Cover has a capacity of 8 data cables (up to 5/16" diameter each (Cat6a)) when used in combination with the Wrap Around Cable Manager (BLWAC)

- The Floor Cable Cover is offered at every inch, up to 96". To specify the exact length, refer to the floor plant in the specification software
- Depending on the type of meeting room and the where the electricity need to go, the length of the Floor Cable Cover may vary

wrap around cable manager basics

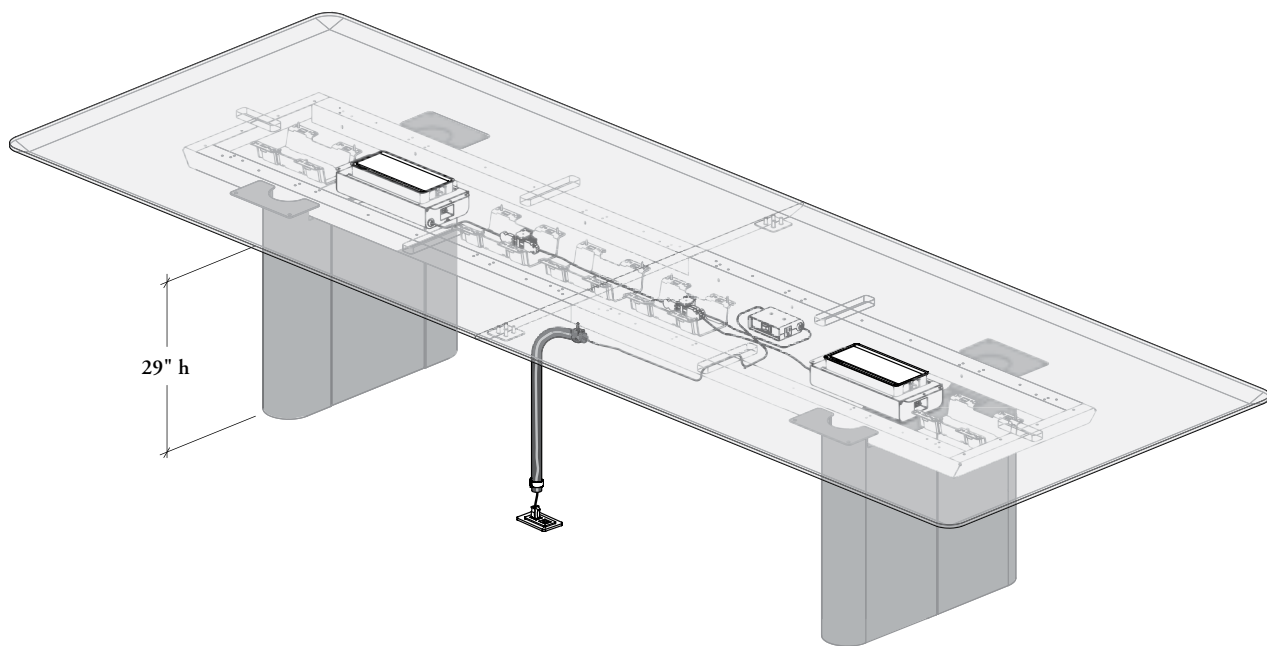
This component hides and routes power and communication cables from the floor to the worksurface.



Wrap Around Cable Manager (MXPMW)

- Fixed-Height Table configuration (FF) (Shown) has a diameter of 2" and is 29" long. It allows the routing of plug-in cable from under a worksurface to the floor (Shown). It can also route Hard Wire Base Feed/Data cables coming from the floor to the underside of a worksurface
- Height-Adjustable Table – Standard Range 28" to 43" h configuration (HS) has a diameter of 2" and is 43" long. It allows the routing of plug-in cable from cable tray of a Height-Adjustable Meeting Table to the floor

Finishes: Black (B) or Grey (G)



media grommet – round basics

This component can be field installed when cable routing is needed.



Media Grommet – Round (MXPGR)

- Pass-through hole diameter is 1"
- Field installed using a 1 1/4" hole saw

Finishes:

Grommet: Foundation, Mica or Accent

