

BYRNE

8-Trac

Overview

Introduction:

Byrne provides quality, cost effective, innovative power/data distribution solutions. From initial concept to final product design, Byrne's in-house vertical integration of product design, injection molding, assembly, and UL Listing assures consistent product performance, quality and service.

The Byrne 8-Trac System is adaptable to all architectural elements. It can be utilized in modular furniture, ceiling applications, floor to ceiling partitions and raised flooring. The System will accommodate panel applications of 2" to 3 1/2" thick with harnesses available from 12" to 1800 in length. Assemblies are 100% electrically tested to ensure the highest quality and reliability. Multiple iterations are available to accommodate the different architectural elements. The standard options shown represent a fraction of total product offering. Consult a project engineer to provide the best solution for your application.

Universally recognized:

The Byrne 8-Trac System is UL Recognized as an Office Furnishing Accessory (UL 1286), and is UL Listed as a Manufactured Wiring System (UL 183) in full compliance with electrical specifications found in the National Electrical Code (NEC). It also complies with municipal standards such as New York, Los Angeles & San Francisco.

Circuitry/Keying:

The Byrne 8-Trac System is rated for 20 Amps allowing the use of 4 circuits with 4 line conductors, 2 neutrals and 2 grounds. Under NEC requirements, up to 13 duplex receptacles maybe used per circuit, with a total of 52 available receptacles if all circuits are used, per single power entry. The line conductors are 12 AWG, and share a 12 AWG ground and a 10 AWG neutral. The fourth circuit is isolated and dedicated, and is serviced by its own line conductor, neutral and isolated ground. Alternate circuit diagrams are available. The Byrne System can be wired in both single and three-phase configurations, 240/120V, 208/120V respectively. Additionally, a 3 hot, 3 neutral, 2 ground (3-3-2) wiring system is available.

Flexibility:

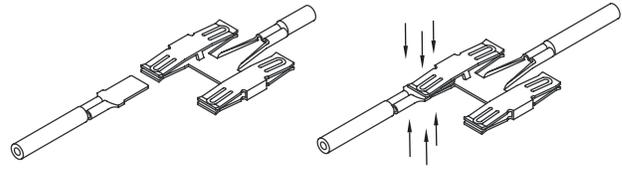
The practical Design of the Byrne 8-Trac System combines junction blocks, jumpers, and power infeeds into one modular assembly. With 3-1/2" of adjustability, different length harnesses for 90 degree and "T" panel conditions are not required. Power is routed through extremely flexible oval metal conduit, which makes traversing sharp corners easy.

Installation:

All connections are positive locking, assured by keyed terminal housings. The patented slide mount block is easily installed on site after panel or table assembly.

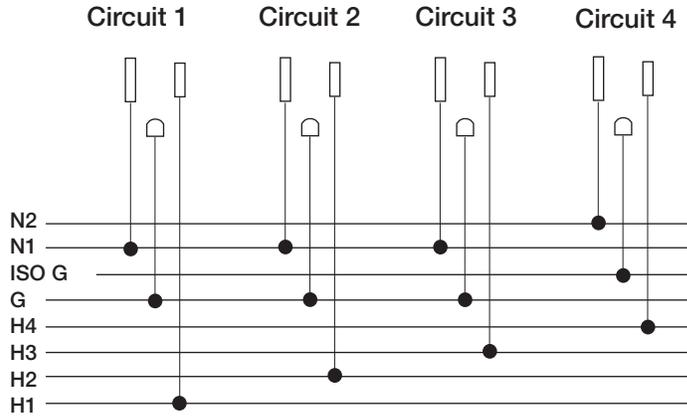
Contact:

The center of the Byrne 8-Trac System is the patented six point contact terminal. This Quad Terminal is rated at over 50 amps, offering built in overload insurance. The design efficiently distributes power, reducing the contact resistance. The six points of contact provide a stable connection, eliminating rocking.



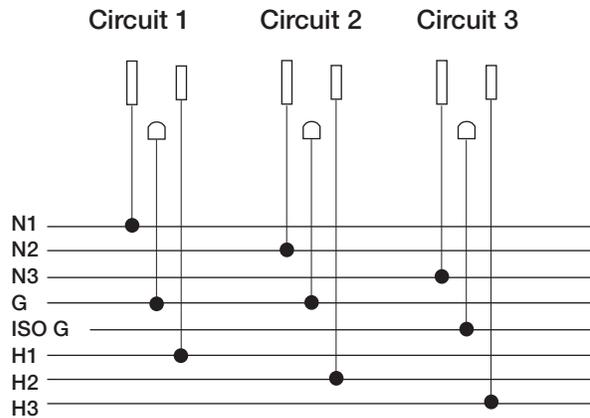
Keying

3+D



Keying

3-3-2

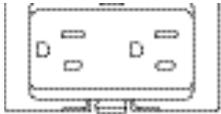


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8-Trac

System Components

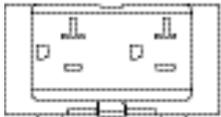
Receptacle



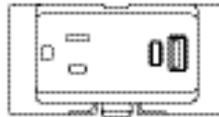
15 Amp Duplex
BE08065-X-X-X-X
Heights: A,B,C,D,E,F,G



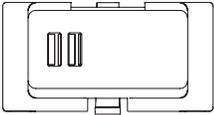
15 Amp TR Duplex
BE080247-X-X-X-X



20 Amp Duplex
BE08498-X-X-X-X
Heights: C,G

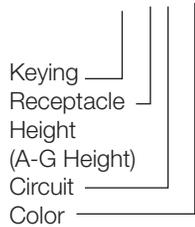


Blended
15 Amp Simplex &
Smart USB-A+C
BE080259-X-X-X-X
Heights: G

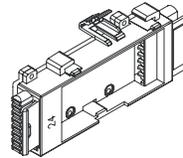


Dual USB
BE080147-X-X-X-X
Heights: C,D,G

EXAMPLE:
15 Amp
BE08065-X-X-X-X

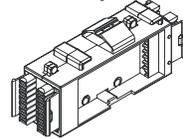


Block



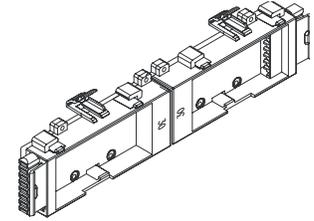
Single Half Block
BE08381-X-X-00

Keying
Mount Style



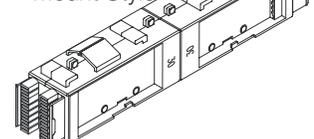
Single Block
BE08062-X-X-00

Keying
Mount Style



Double Half Block
BE08382-X-X-30-00

Keying
Mount Style

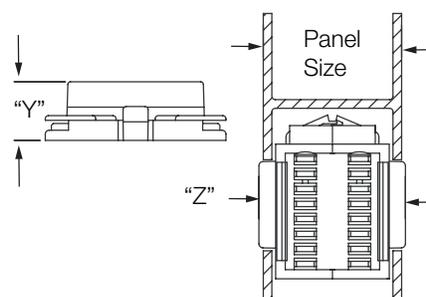


Double Block
BE08290-X-X-30-00

Keying
Mount Style

Receptacle Height

Ex. BE08065-3-AXX

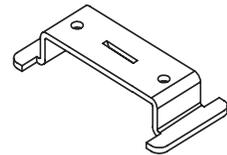
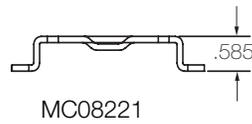
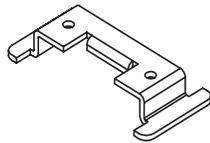
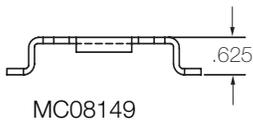
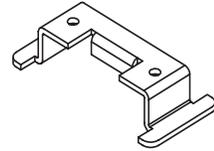
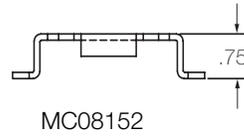
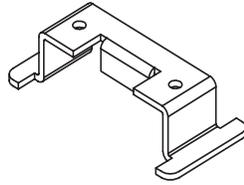
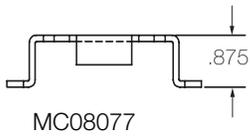


Byrne Part #	Panel Size	"Y"	"Z"
AXX	2"	7/8"	2-1/8"
BXX	2-1/4"	1"	2-3/8"
CXX	2-1/2"	1-1/8"	2-5/8"
DXX	2-3/4"	1-1/4"	2-7/8"
EXX	3"	1-3/8"	3-1/8"
FXX	3-1/4"	1-1/2"	3-3/8"
GXX	3-1/2"	1-5/8"	3-5/8"

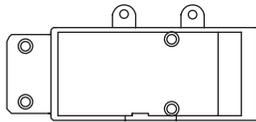
8-Trac

System Components

Slide Mount Bracket

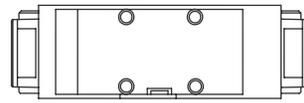


Block Mounting Style

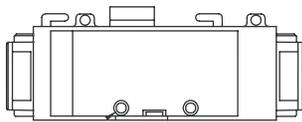


*Screw Mount -1

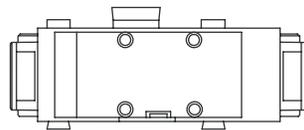
* Not available for 8-Trac's 1/2 Block



No Mount -7



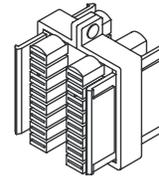
Slide Mount -2



*Pivot Mount -3

* Not available for 8-Trac's 1/2 Block

Misc.



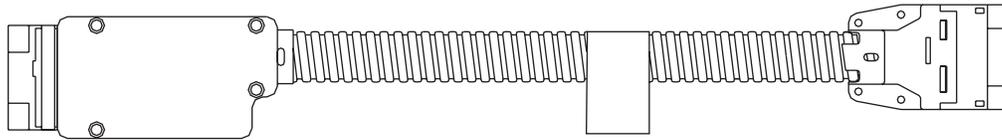
"H" Connector
BE08299-X

Keying

8-Trac System

System Components

Jumper & Pass Thru



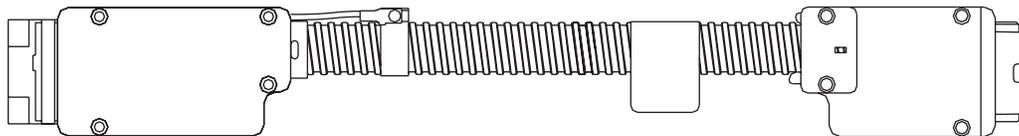
M/M Adjustable Jumper
BE08116-X-XX

Keying



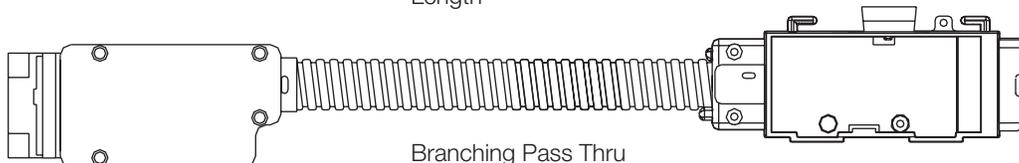
M/M Non-Adjustable Jumper
BE08177-X-XX

Keying
Length



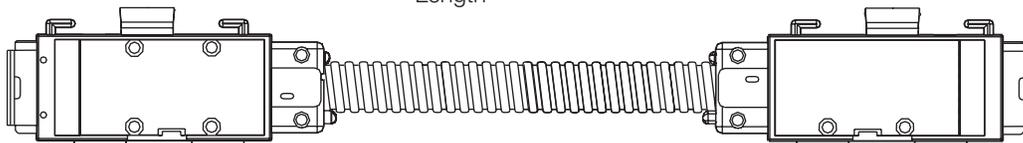
M/F Adjustable Jumper
BE08086-X-XX

Keying
Length



Branching Pass Thru
BE08068-X-X-XX

Keying
Mount Style
Length



Double Block System
BE08289-X-X-XX-XX

Keying
Mount Style
Panel Width
Length

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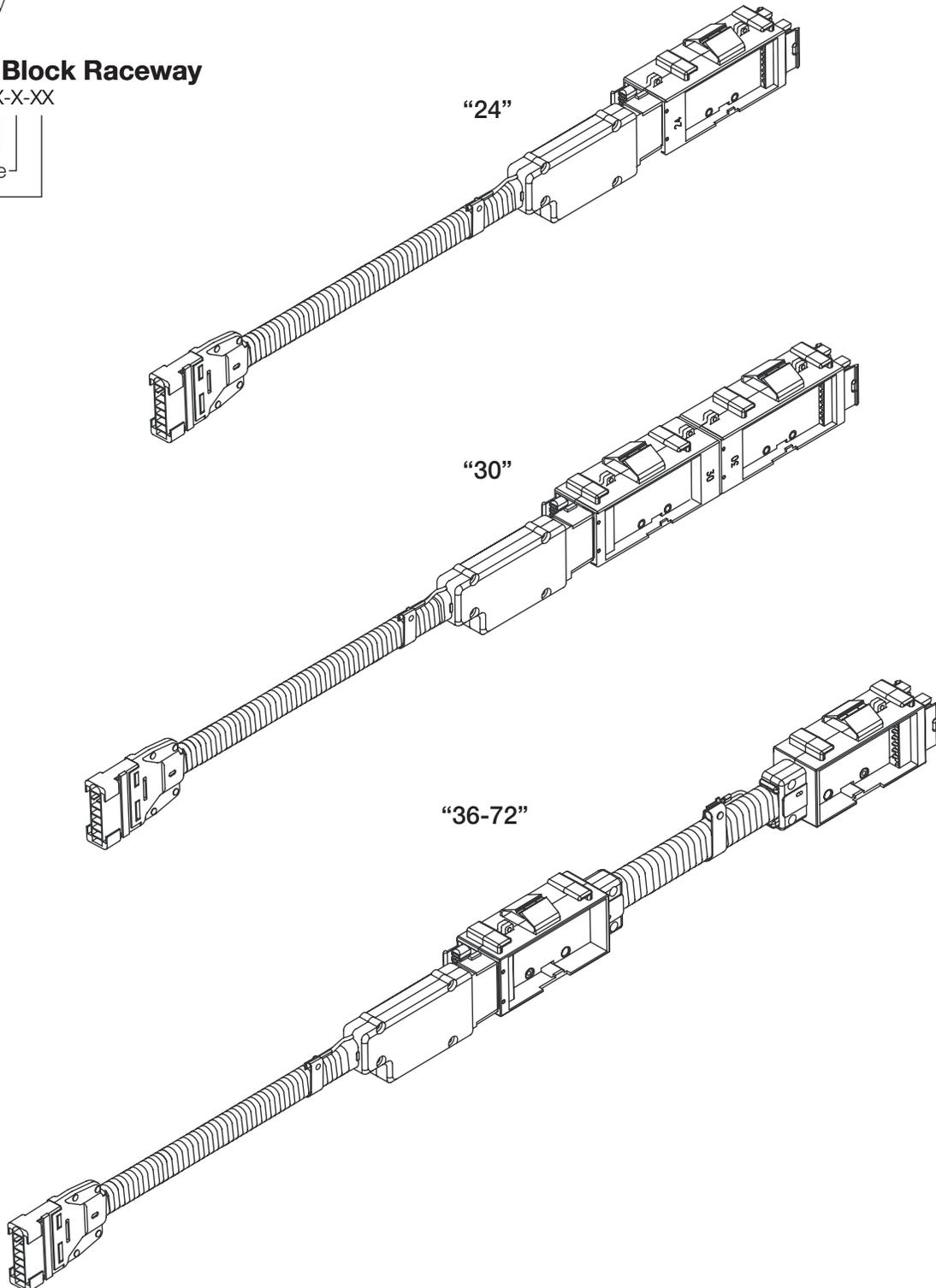
8-Trac System

Raceway

Double Block Raceway

BE08062-X-X-XX

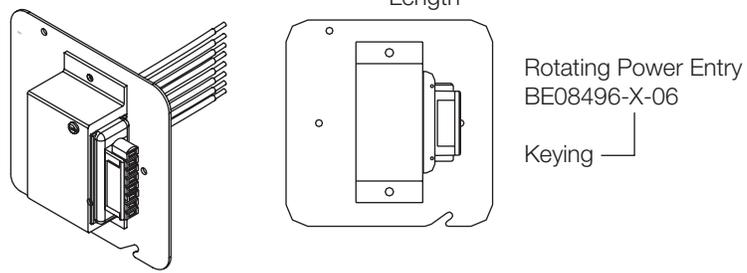
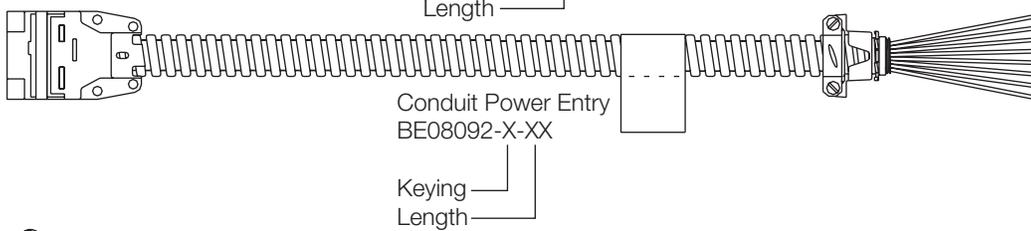
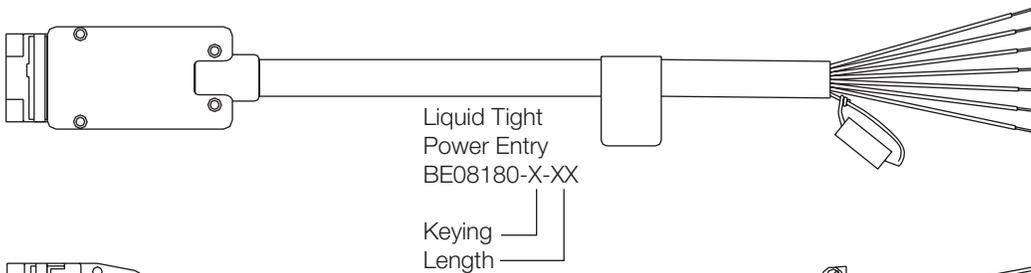
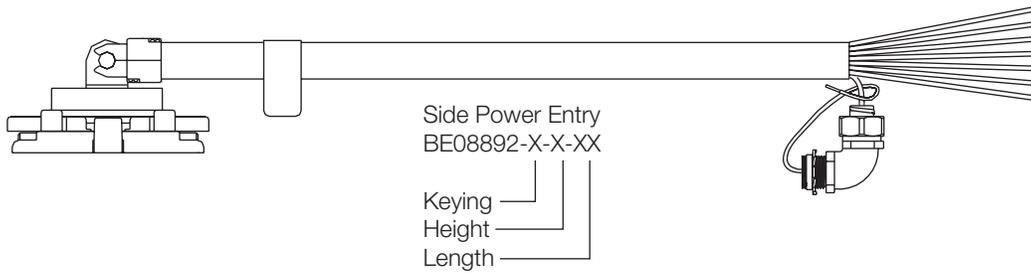
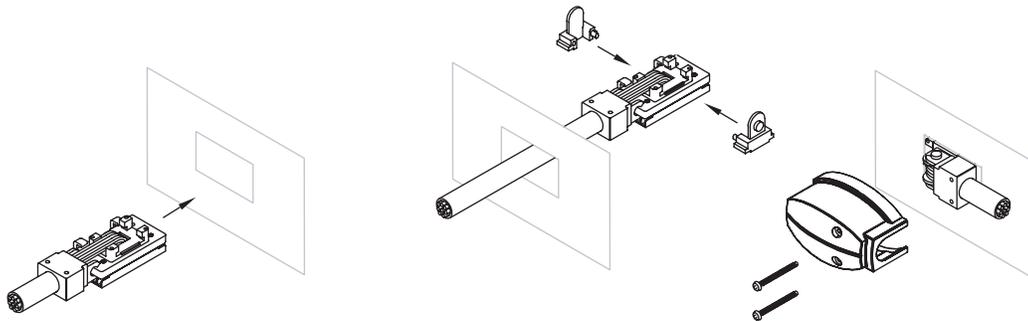
Keying —
Mount Style —
Length —



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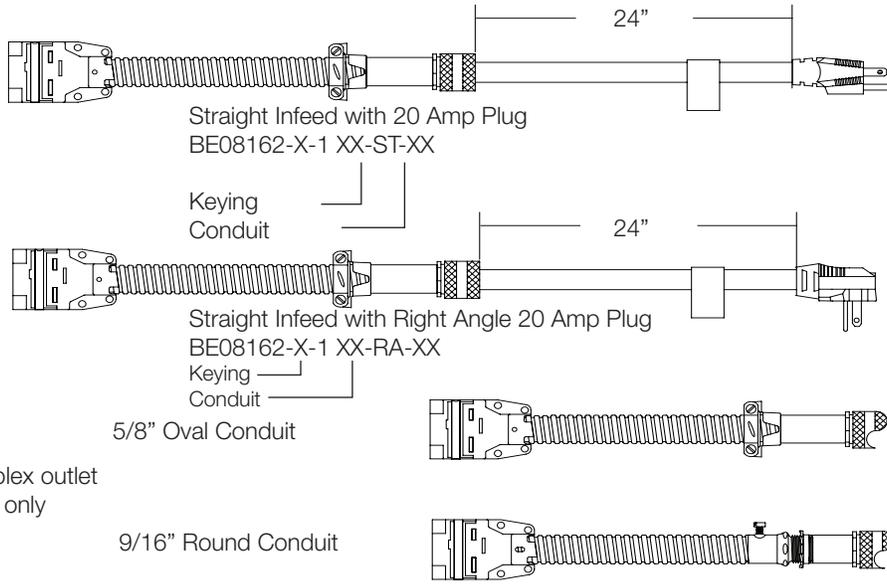
8-Trac System

Power In-feed

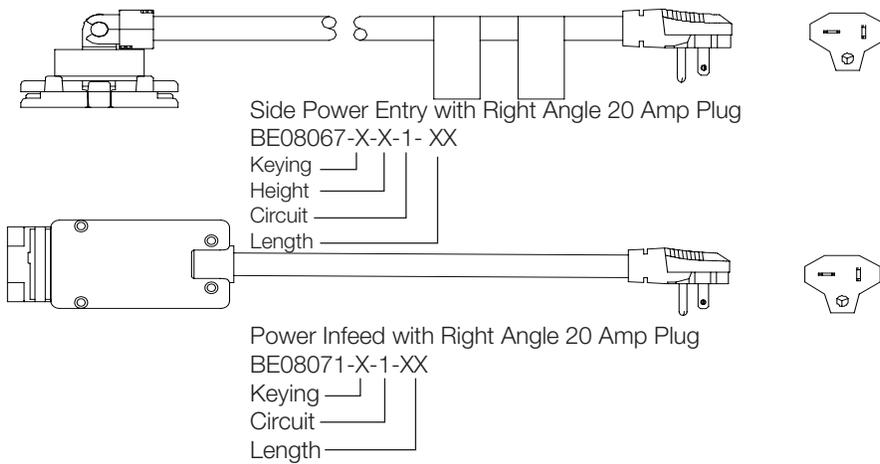


8-Trac System

Corded Power Entry



One Circuit
Requires 20 Amp duplex outlet
UL 1286 Recognized only



8-Trac System

New York Power Entry

