cubicle.com Electrical Information

8-TRAC OVERVIEW

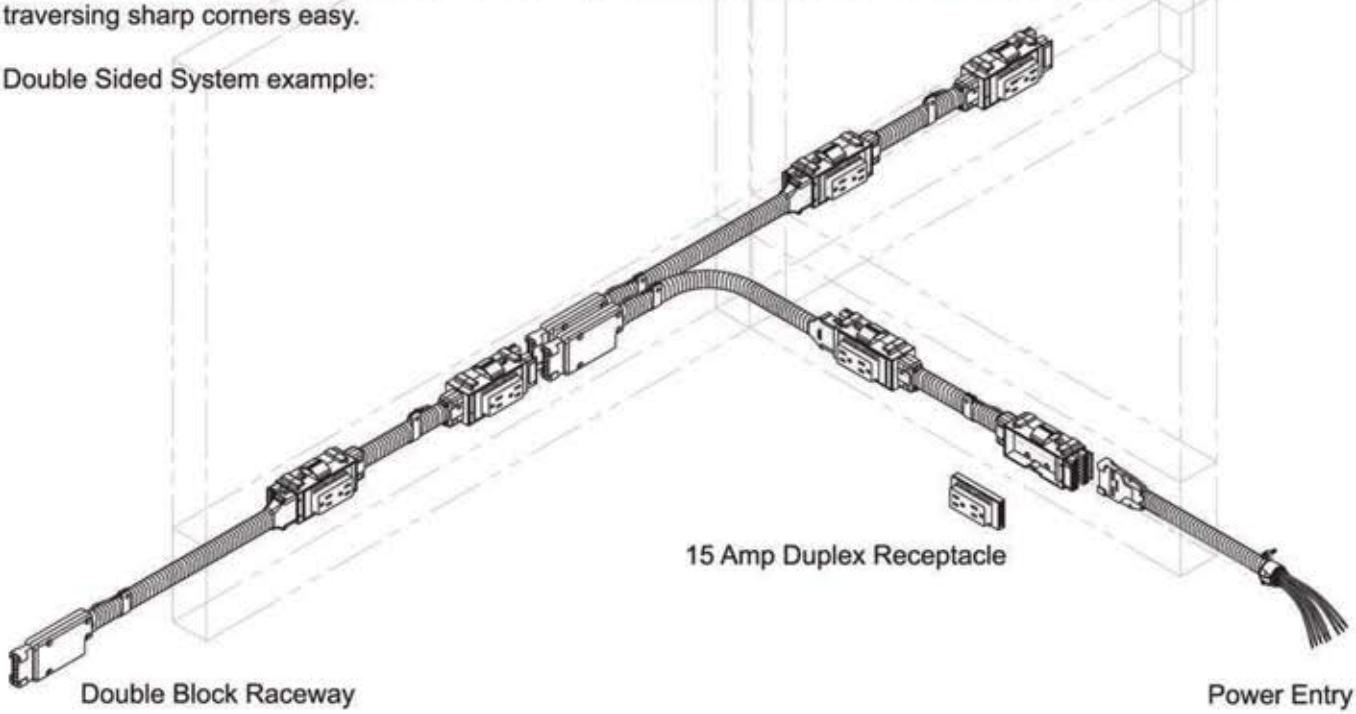
Universally Recognized

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 municiple standards such as New York, Los Angeles & San Fransisco.

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.

Double Sided System example:



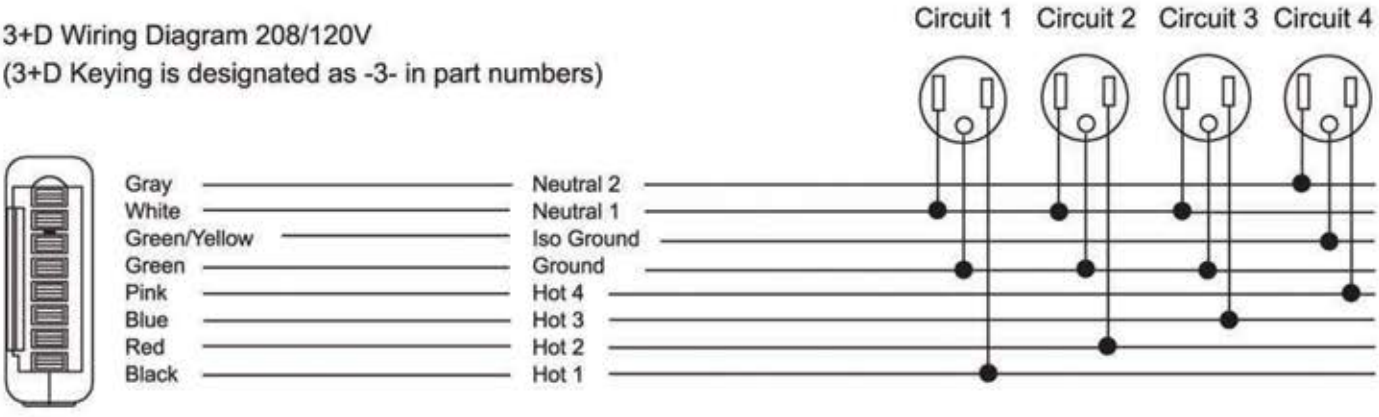
Installation

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.

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 to13 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.

3+D Wiring Diagram 208/120V
(3+D Keying is designated as -3- in part numbers)



Data Overview

We DO NOT provide any parts, terminal boxes, or cabling for data wiring. The parts shown below are not included and are intended to show our recommended installation. These parts should be provided by your low voltage/data electrician. We recommend mounting terminal boxes to the kickplates of the panels and routing the data cables through the raceways at the base of the panels.

The panel raceways are around 3.5" wide x 5" high.