BYRNE

8-TRAC OVERVIEW

1) Introduction

Byrne Electrical Specialists, Inc. provides quality, cost effective, innovative power/data distribution solutions. From initial concept to final product design, Byrne Electrical Specialists Inc.'s in-house vertical integration of product design, injection molding, assembly, and UL Listing assures consentient 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 ½" 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.

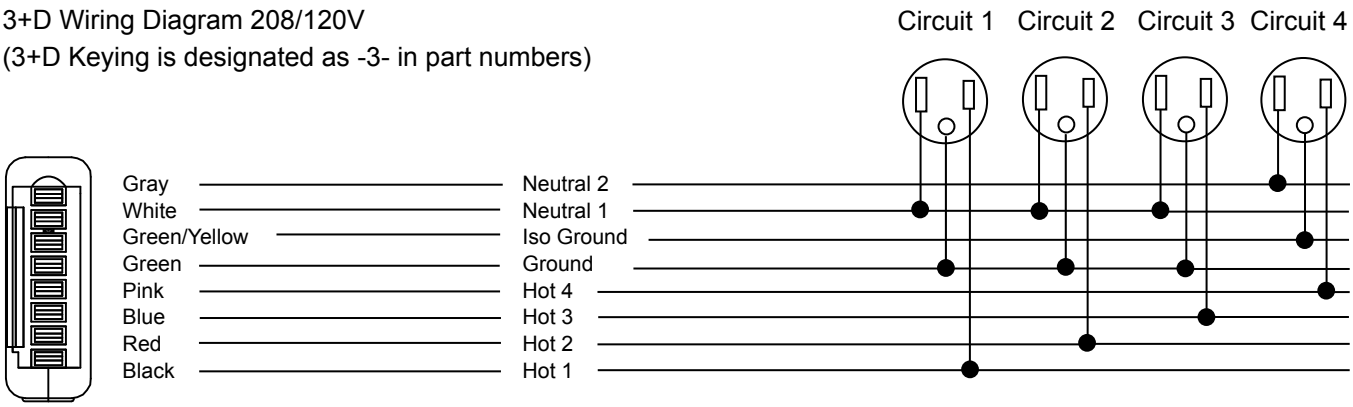
2) Universally Recognized

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.

3) 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)



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