

# FABA<sup>®</sup>-100

*The Ultimate Compact Conductor Rail System*

## The Lifeline for Monorail Systems

The rapid growth of just-in-time production and delivery has increased demand for more productive, continuous workflows. To meet this demand, Magnetek's Electromotive Systems division offers FABA-100, the compact conductor rail for today's electrified monorail systems.

FABA's simple, yet superior design is quickly placing older technologies on the endangered species list for industrial applications. And with good reason: FABA offers tremendous flexibility and advantages you won't find anywhere else.

### Safety

Designed to ensure maximum protection against accidental electrical contact, the conductor rail system is enclosed in impact-resistant PVC housing which is non-flammable and chemically resistant against most volatile materials. The system provides further security through the use of sturdy plastic hangers and collector arm components. Plus, conductor rails are available in different colors to provide visual identification of power, ground, neutral, communications and other pathways for safe and efficient troubleshooting. FABA meets European safety standards for finger-safe construction.

### Reliability

FABA's specially designed, compression spring-loaded collector shoes won't jump out of the rails as other designs allow. This ensures continuous electrical contact and maximum load control. FABA also provides reliable performance in both indoor and outdoor applications. And, since FABA does not require chains, belts, or other moving parts, it virtually eliminates the need for maintenance. Even our collector shoes can provide thousands of hours of use before replacement is required.



### Flexibility

FABA is designed to work with systems of all types for continuous flow production, such as monorails, workstations, automated systems and more.

Installation is easy, with parts that fit together in a simple, intuitive way, FABA provides flexibility; taking power up, down, under, over, around—wherever it's needed in virtually any direction, level, or work area imaginable. FABA use ranges from carrier only applications to part of a fully automated, computer controlled system managing multiple workloads simultaneously.

**FABA. Designed for flexibility.  
Constructed for safety.**

# FABA

## 100 Design

- Conductor bar is enclosed in an impact resistant PVC housing
- Conductor bar insulating sleeve is flame resistant and self-extinguishing
- Meets European Finger Safe Standards (IP 2x)
- Conductors are available in different colors to provide visual identification of power, ground neutral, communications and other pathways for safe and efficient troubleshooting
- Compression spring loaded collector shoes ensure better continuous electrical contact and precise system control
- Conductor bar is rated at 100 Amp
- Collector assemblies available from 20 Amp to 50 Amp ratings
- Standard hangers available for most AMS profiles:
  - 180mm x 60mm profiles—maximum 8 conductors
  - 240mm x 80mm profiles—maximum 12 conductors
- Maximum traveling speed of 1312 ft./min. (400m/min)
- Standard conductor bar rated for -30°C to +55°C ambient operating environments. (High temperature conductor bar for up to 80°C is available on a special order basis.)



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