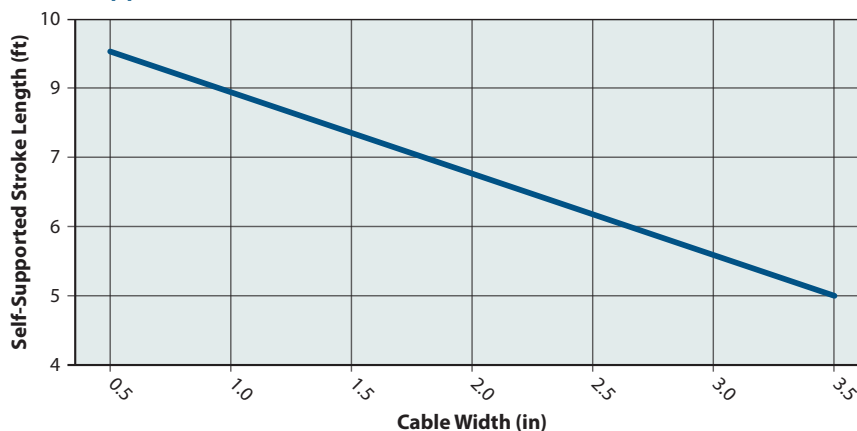*New!*

Support

Flex

PATENT-PENDING

Revolutionary Design Eliminates Cable Tracks!

Features

- Works with any Cicoil flat cable
- Up to 10 feet self-supported lengths (longer lengths available-consult factory)
- Maintains cable in compact, parallel alignment for tight space applications
- Smooth rolling motion for high accuracy motion applications
- Works in any orientation: horizontally, vertically, or at any angle
- FlexRail™ works in temperatures from -65°C to +260°C
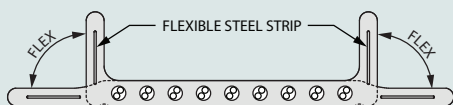- Rugged and reliable: rated for millions of flexing cycles

Our new FlexRail™ option makes any Cicoil flat cable completely self-supporting. FlexRail™ encapsulates a strong, flexible steel strip onto both sides of a flat cable. The steel strip provides cantilevered support for the cable, while allowing the cable to smoothly flex in a linear motion application. The patent-pending FlexRail™ design keeps the cable parallel along its entire length, enabling tighter bend radiuses and more compact cable designs than is possible with a cable carrier. Its smooth rolling motion, compact size, and quiet operation make FlexRail™ cables far superior to cable carriers in most linear motion applications.
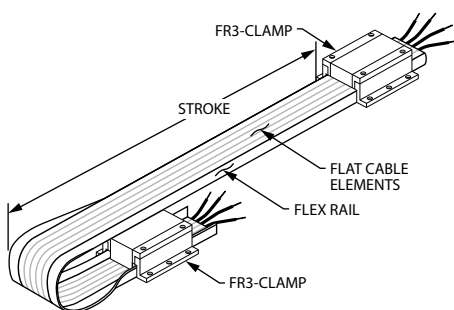
FlexRail™ Supports and Flexes

FLEX — FLEXIBLE STEEL STRIP — FLEX

Complete silicone encapsulation of conductors and FlexRail™ strips enable a one piece self-supporting, yet extremely flexible, cable.

Stroke Support Chart

Self-Supported Stroke Length (ft) vs Cable Width (in)

For width not indicated in the chart above please contact Cicoil. Based on standard cable thickness.

How to Order

1. Select a Cicoil flat cable, or design one using the online Cable Configurator
2. Check Stroke Support Chart to ensure stroke length needed is within FlexRail™ specification (contact Cicoil for longer stroke lengths).
3. Specify 'FlexRail™' option and length of cable (taking into account total stroke needed).
5. Specify connectors and/or cable end prep needed (flying leads, stripped, etc.)
6. Clamps are recommended (see drawing). Specify 'FR3-Clamp' option to order clamps for your specific cable.

FR3-CLAMP

STROKE

FLAT CABLE ELEMENTS

FLEX RAIL

FR3-CLAMP