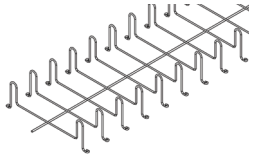
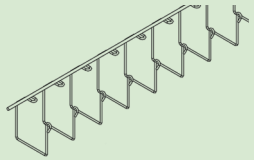
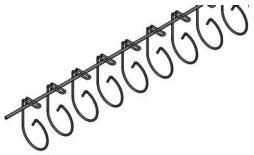
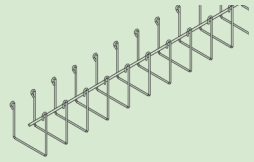
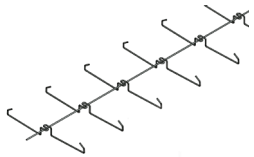
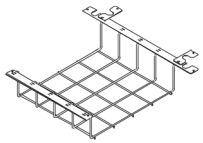
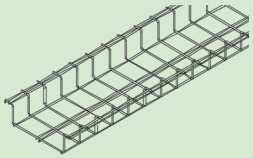
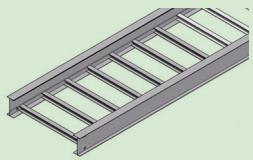
Snake Tray® Cable Tray Guide

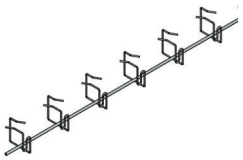
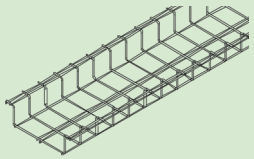
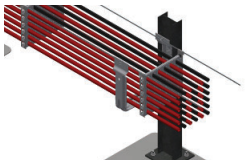
HAND BENDABLE CABLE TRAYS

Snake Tray Product	Primary Specifications	Key Features	Applications & Environments
101 Series Snake Tray 	• Length: 8' sections • Width: 3" to 21" • Depth: 2.5" to 4" • Custom sizes available • Galvanized, stainless steel, or powder coated finish	• Support legs and mounting rings built-in • Built-in riser system, cables never touch the floor • Easily anchors to floor • Sections attach with inline bolt for bonded connection • Max capacity: 84 square inches/860 cables • Nests for low-cost shipping and material handling	• Exclusively for indoor use under low-profile raised access floors • Call centers, trading floors, network operation centers, command and control centers, corporate offices, banks, air traffic control towers • Cable types: low voltage, voice/data, fiber optic
201 Series Snake Tray 	• Length: 8' sections • Width: 3" to 6" • Depth: 2" to 4.25" • Available in double-pocket configuration • Galvanized, stainless steel, or powder coated finish	• Built-in centered mounting rings allow for easy attachment to wall or suspend from ceiling with threaded rod • Hand bendable; create turns in 5 seconds • Sections attach with a single inline bolt for bonded connection • Max capacity: 24 square inches/250 cables; up to 50 square inches/500 cables with double pocket design • Nests for low-cost shipping and material handling	• Excellent for indoor use in buildings where ceiling tiles are already installed • Easily navigates around pre-existing obstacles • Can be also used under raised access floors • Corporate offices, schools, and industrial factories, plants, and warehouse/distribution centers • Cable types: low to medium voltage, voice/data, fiber optic, coaxial
454 Series Universal Snake Tray 	• Length: 8' sections • Loading Diameters: 2", 4", 6" • Galvanized, stainless steel, or powder coated finish	• Unique rounded cable pocket features "lobster trap" design to prevent cables from jumping out of the tray during turns and elevation changes • Hand bendable; create turns in 5 seconds • Built-in mounting rings attach to wall or ceiling • Transverse any space; switch from wall mount to threaded rod suspension and back without the use of brackets • Sections attach with a single inline bolt for bonded connection • Max capacity: up to 28 square inches/260 cables • Nests for low-cost shipping and material handling	• Excellent for indoor use in buildings where ceiling tiles are already installed • Easily navigates around pre-existing obstacles • Can also be used under raised access floors • Corporate offices, factories, warehouse/distribution centers, schools • Cable types: low voltage, voice/data, fiber optic
501 Series Wall Snake 	• Length: 8' sections • Width: 2" to 6" • Depth: 2" to 6" • Galvanized, stainless steel, or powder coated finish	• Built-in mounting rings allow for easy anchoring to walls, no brackets or extra hardware required • Hand bendable; create turns in 5 seconds • Space saving design • Sections attach with a single inline bolt for bonded connection • Max capacity: 36 square inches/367 cables • Nests for low-cost shipping and material handling	• Exclusively for indoor use when the tray is continuously mounted to a vertical wall • Excellent for long linear spaces in factories, warehouses, and distribution centers • Cable types: low voltage, voice/data, fiber optic
701 Series MC Snake Tray 	• Length: 10' sections • Width: 5", 10", 6", 4.5"/5" • Depth: 2" to 6" • Available in single and double pocket, and double tier designs • Galvanized, stainless steel, or powder coated finish	• Built-in center mounting rings allow for easy anchoring to ceiling • Hand bendable; create turns in 5 seconds • Low-profile, ceiling hugging design • Eliminates need to individually mount each MC cable using struts and clips • Provides necessary strength with a minimum of material • Sections attach with a single inline bolt for bonded connection • Max capacity: 40 square inches • Nests for low-cost shipping and material handling	• Exclusively for indoor use to manage MC cables attached to the ceiling • Industrial applications, hospitality (MC cables are commonly used in projects using premanufactured building components) • Requires support at 5 feet intervals • Cable types: Encased, insulated, metal clad

PREFABRICATED BASKET TRAYS AND LADDERS

Snake Tray Product	Primary Specifications	Key Features	Applications & Environments
301 Series Snake Canyon 	• Size: 22" x 22"' modular basket tray section • Depth: 2" to 12" • Galvanized, stainless steel, or powder coated finish • Half-trays and cantilever trays for multiple cable layers are also available	• Provides a dedicated safe space for cables beneath raised access floors without conflicting with other systems or airflow • Compatible with all types of 2' x 2' raised access floors, including stringerless floors • Drop-in installation; fast and easy with minimal labor • Movable and reusable • Max capacity: 264 square inches/2,820 cables • Nests for low-cost shipping and material handling	• Exclusively for indoor use beneath raised access floors with a high density of cables • Call centers, trading floors, network operation centers, command and control centers, corporate offices, banks, air traffic control towers, and older data centers with raised access flooring • Cable types: low to mid voltage, voice/data, fiber optic
801 Series Mega Snake 	• Length: 10' sections • Width: 6" to 24" • Depth: 2" to 6" • Made from ¼" steel rods for outstanding strength; double the carrying capacity of generic basket trays • Galvanized, stainless steel, or powder coated finish	• High capacity system reduces labor and installation costs • Premanufactured sections, turns, TEEs, and crosses eliminate on-site fabrication and waste, maintain proper bend radius, attach in minutes • Built-in Snake Rail allows for suspended rod installation without brackets, struts, or trapezes • Full line of accessories to connect panels, boxes, cable drop outs, adaptors, etc. • Max capacity: 144 square inches/1,470 cables • Splice kit maintains a continuous electrical bond throughout the system • Nests for low-cost shipping and material handling	• Best for installation in open spaces and areas where there are direct pathways or few obstacles between origination and termination points • Designed for heavier loads of low voltage and high voltage cables, voice/data, coaxial • Enterprise office spaces, industrial building, data centers • Galvanized finish for indoors applications, stainless steel or powder coated finishes can be applied for outdoor installation • Requires threaded rod support approximately every 5 feet
610 Series Snake Tray Steel Cable Runway 	• Length: 10' straight sections, fittings and accessories • Width: 12", 18", 24" • Depth: 0" • Powder coated black finish	• Allows for easy access of cables • Constructed from rectangular steel tubing for maximum strength • Ladder style design without vertical side rails allows for easy exiting of heavy duty cables • Straight sections are also available in 5' lengths to meet UPS shipping requirements without additional charges	• Best for indoor use at high capacity data centers, telecommunications rooms, and any highly cabled facility • Excellent for running a single layer of power and control cables overhead to production line machinery on factory floors • Excellent for attachment to the top of computer server racks • Maximum 130 lb./foot load capacity when supported every 5 feet • Cable types: large diameter, heavy high voltage and datacom cables requiring consistent yet less frequent support
653 Series Aluminum Cable Tray 	• Length: 10', 12', 20' straight sections, fittings and accessories • Width: 6" to 36" • Depth: 4" or 6"	• Manufactured from lightweight aluminum for easy handling • Premanufactured sections, turns, fittings, and reducers eliminate on-site fabrication • High loading capacity to support large runs and heavy loads • Easy to connect • Available in Ladder, Ventilated Trough or Non-Ventilated Trough design • Max capacity: 216 square inches	• High capacity ladder system holds more weight and enables longer support spans (6' to 10') • Designed for indoor and outdoor use, impervious to weather • Power utilities, heavy duty industrial and manufacturing sites • Ground-mounted solar plant installations • Cable types: large diameter, heavy high voltage cables requiring consistent yet less frequent support

SOLAR AND REUSABLE ENERGY CABLE MANAGEMENT

Snake Tray Product	Primary Specifications	Key Features	Applications & Environments
407 Series Solar Snake Tray 	• Length: 10' sections • Width: 2" to 4" • Depth: 2" to 4" • Stainless steel or powder coated finish	• Built-in mounting rings allow for flexible mounting options on side or bottom • Patented "lobster trap" design for effortless loading, keeps cables securely in place • Rated to protect cables against hurricane force winds up to 120 MPH • Hand bendable; create turns in 5 seconds • Sections attach with a single inline bolt for bonded connection • Available with covers and shields to protect cables from snow/ice/sun • Max capacity: 12 square inches • Nests for low-cost shipping and material handling	• Best for outdoor rooftop and ground-mounted solar installations • Cable Types: DC string and feeder cables connecting solar panels to terminations
801 Series Solar Mega Snake 	• Length: 8' sections • Width: 6" to 24" • Depth: 2" to 6" • Made from ¼" steel rods for outstanding strength; double the carrying capacity of generic basket trays • Stainless steel, or powder coated gray finish	• Identical to the 801 Series Mega Snake, but when finished in stainless steel or powder coated, can be used for outdoor installations • Premanufactured sections, turns, TEEs, and crosses eliminate on-site fabrication and waste, maintain proper bend radius, attach in minutes • Built-in Snake Rail allows for suspended rod installation without brackets, struts, or trapezes • Full line of accessories to connect panels, boxes, cable drop outs, adaptors, etc. • Max capacity: 144 square inches/1,470 cables • Splice kit maintains a continuous electrical bond throughout the system • Nests for low-cost shipping and material handling	• Optimized for outdoor applications such as rooftop solar installations, cell phone towers, directional antennas • Cable Types: Intermediate grade AC and DC feeder cables connecting combiner boxes to inverters • Air separators available to provide code-compliant separation between cables to reduce derate effects
Solar Snake Max 	• Uses a series of brackets and separators to support up to 36 high amperage DC power cables along messenger wire	• Employs free-air cable conveyance to enable 100% harvest of energy; eliminate need to derate cables • Maintains code compliant separation over entire length of run • Easy snap together components attach to any type of vertical piling or pole • No field fabrication required • Easy access and visibility to all cables	• Utility grade solar plants and reusable energy farms • Cable types: High ampacity DC power cables up to 750 Kcmil