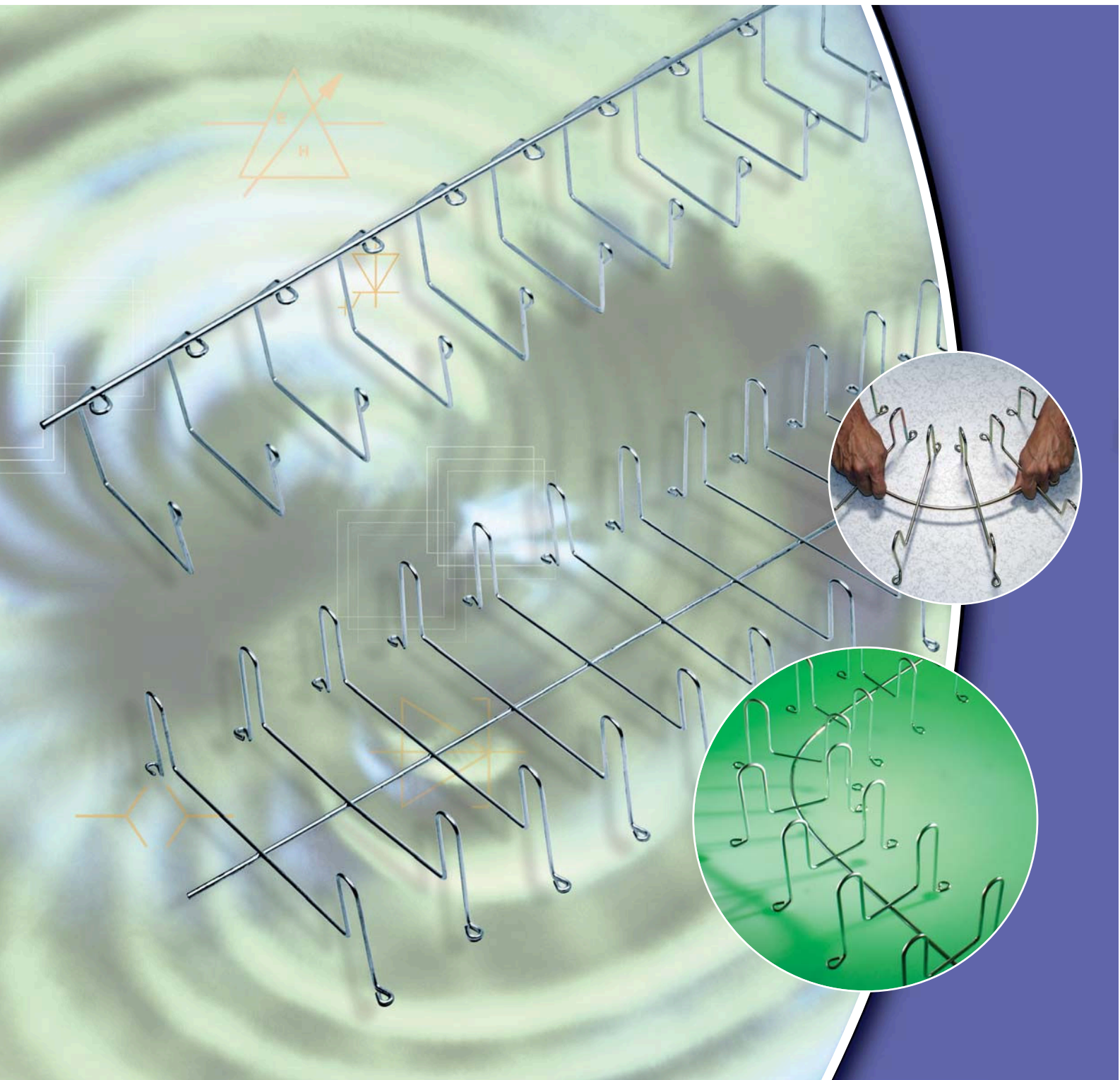


Marshall-Tufflex SnakeWay

Steel support system for cabling



www.marshall-tufflex.com



GOING THE SNAKEWAY...

SNAKEWAY

The unique properties of SnakeWay ensure that it is the only steel support system for cabling that can be formed by hand, in any direction, without the need for cutting, clamping or assembling of any sort. It can be used in suspended, wall or floor applications.

Using a SnakeWay system has three great benefits:

- **VERY FAST INSTALLATION** – time savings of up to 85%!
- **BIG LABOUR SAVINGS** – faster installation time means big savings in labour costs!
- **OVERALL PROJECT COST SAVINGS** – save time, save labour and lower the overall project cost!

General Features:

- Easily hand-formed on site.
- No special tools required.
- Open architecture that permits cable to enter or exit at any point.
- Pre-formed mounting rings in all SnakeWay support systems.
- No cutting or sharp edges.
- Single universal connector bolt.
- Slow bends meet EIA/TIA specification.
- Trays are UL and CSA listed.



MATERIALS & LABOUR SAVING COMPARISON BY PERCENTAGE

Materials and time-saving percentages calculated on installing 100m length of Basket Tray with fittings and SnakeWay with fittings.

Although SnakeWay is 27% more expensive on materials

BASKET TRAY

SNAKEWAY

Material costs = 100%

Material costs = 127%

Labour @ 30mins per metre = 100%

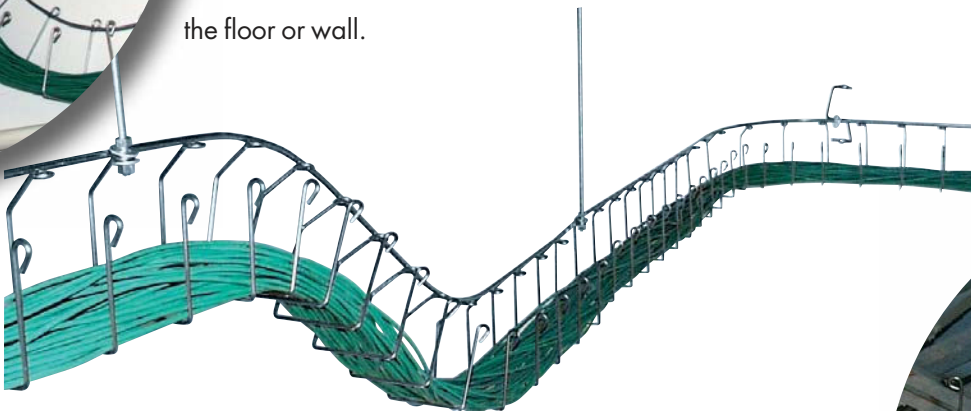
Labour @ 10mins per metre. = 33%

SNAKEWAY IS THREE TIMES FASTER TO INSTALL THAN BASKET TRAY

...IS GOING THE BEST WAY!

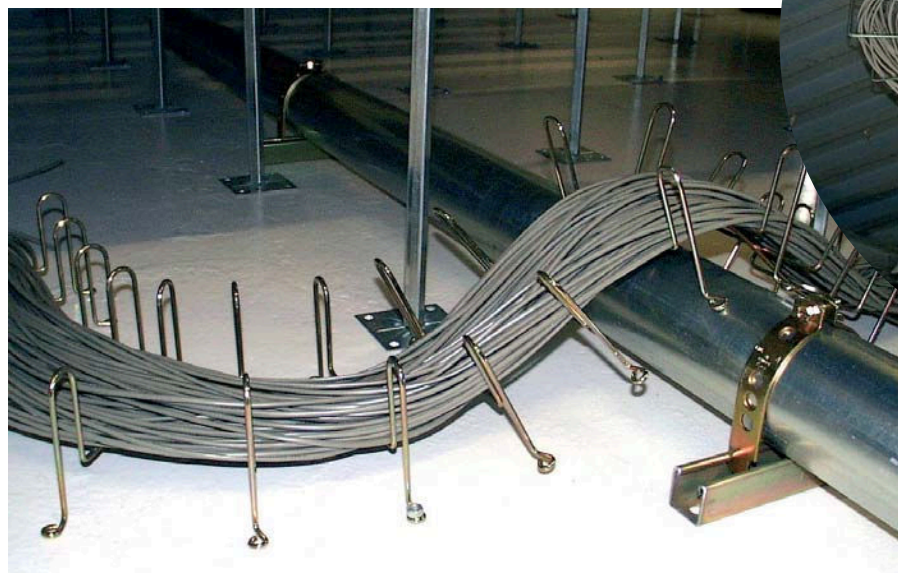
FLOOR SNAKEWAY

The Floor SnakeWay system is designed for installation below raised floors or as risers on vertical surfaces. Mounting rings are pre-formed into the support legs, keeping the cable away from the floor and eliminating the requirement for additional brackets that fasten direct to the floor or wall.



WALL SNAKEWAY

The design of Wall SnakeWay enables it to be directly attached to a wall via the mounting rings that run along the back of the spine. Using these rings eliminates the need for any brackets to complete the installation.



HANGING SNAKEWAY

Used in overhead applications, Hanging SnakeWay is hung from a single threaded rod into a mounting ring in the centre of the SnakeWay system. This allows the cable to be placed in the system without the need to thread cable between pairs of suspension rods. For even greater capacity, Double Hanging SnakeWay is also available. This provides natural separation between data and power cables.



Snake Tray™, Snake Canyon™, Wall Snake® and Ladder Snake® products are covered by one or more of the following patents: #6,637,704, #6,637,165, #6,463,704, #6,460,812, #6,449,912, #6,361,000, #6,347,493, #6,019,323, #5,953,870, #5,839,702 and AUS #737,813. Other US and Foreign Patents Pending.

SNAKEWAY STEEL SUPPORT S

Clamps direct to structure

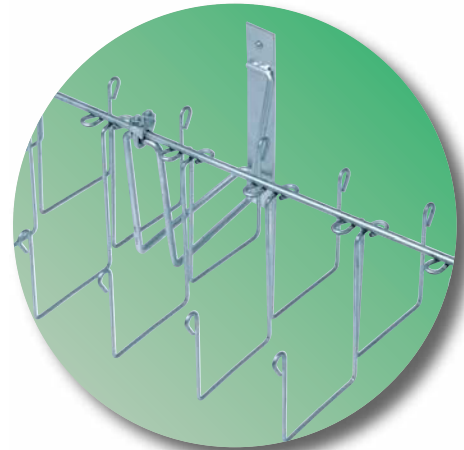
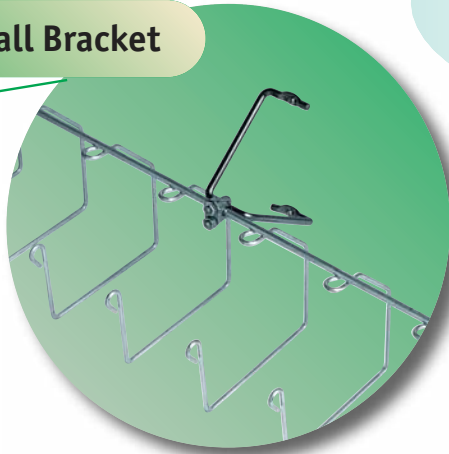
Hanging Double SnakeWay

Wall SnakeWay direct to wall

Pedestal Bracket

SYSTEM FOR CABLING

Single Hanging Wall Bracket



Double Wall Bracket

START



5 SECONDS



10 SECONDS



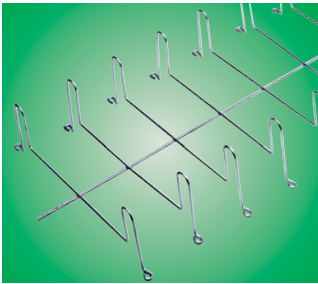
Floor SnakeWay

SnakeWay Steel Support System for Cabling continued

FLOOR SNAKEWAY

For installation below raised floors or vertical risers.

- Can be formed by hand on site.
- Pre-formed support legs fasten direct to slab – no brackets required.
- No need to provide cut lengths of channel or supports – other services e.g. conduit, busbar – can pass beneath.
- Pedestal bracket can be used to run SnakeWay above clutter.
- No sharp edges.
- Single connector.



Floor SnakeWay

Prod Code	Size	Pack
SW1101	75 x 87mm	1 x 2.4m
SW1102	150 x 87mm	1 x 2.4m
SW1103	300 x 63mm	1 x 2.4m
SW1104	300 x 87mm	1 x 2.4m



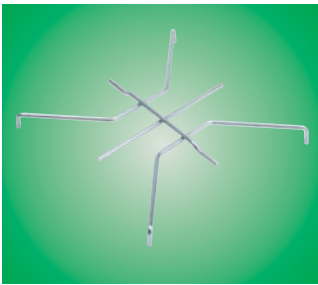
SnakeWay Connector

Prod Code	Pack
SW1201	10



Quick Connector

Prod Code	Pack
SW1202	10



Intersection or Tee

Prod Code	Size	Pack
SW1221	75 x 75mm	1
SW1222	75 x 150mm	1
SW1223	75 x 300mm	1
SW1224	150 x 150mm	1
SW1225	150 x 300mm	1
SW1226	300 x 300mm	1

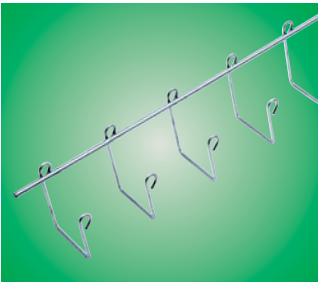


Horizontal Cable Guide

Prod Code	Height	Pack
SW1211	63	1
SW1212	87	1



SnakeWay Steel Support System for Cabling continued



Wall SnakeWay

Prod Code	Size	Pack
SW4101	50 x 50mm	1 x 2.4m
SW4102	75 x 75mm	1 x 2.4m
SW4103	125 x 125mm	1 x 2.4m
SW4104	150 x 150mm	1 x 2.4m



SnakeWay Connector

Prod Code	Pack
SW1201	10



Quick Connector

Prod Code	Pack
SW1202	10

WALL SNAKEWAY

Enables direct fastening to the wall via the built-in mounting rings.

- Can be formed by hand on site.
- No cutting or sharp edges.
- Fast and easy side entry cable loading.
- Easily routed around obstructions.
- Mounting ring every 100mm along the spine.
- No requirement for J brackets or fixings.



Cable Drop

Prod Code	Size	Pack
SW2211	75mm	1
SW2212	150mm	1

Clamp using cable tie.



Hanging/Wall Adaptor

Prod Code	Pack
SW2223	1

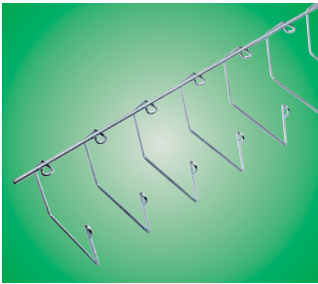


SnakeWay Steel Support System for Cabling continued

Hanging SnakeWay - Single

With built-in mounting rings, Single Hanging SnakeWay can be hung from a single threaded rod or clamped direct to the roofing structures.

- Can be formed by hand on site.
- Single point support fixing.
- No trapeze bracket required.
- Fast and easy side entry cable loading.
- No stretching of data cables.
- No need to provide cut lengths of channel or channel nuts.



Hanging SnakeWay – Single		
Prod Code	Size	Pack
SW2101	100 x 50mm	1 x 2.4m
SW2102	75 x 75mm	1 x 2.4m
SW2103	108 x 108mm	1 x 2.4m
SW2104	150 x 100mm	1 x 2.4m



SnakeWay Connector	
Prod Code	Pack
SW1201	10



Quick Connector	
Prod Code	Pack
SW1202	10



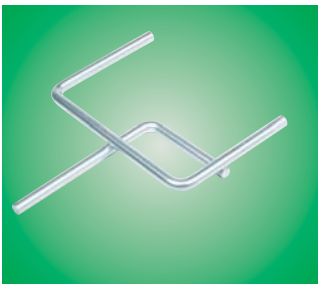
Beam Clamp		
Prod Code	Size	Pack
SW2202	10mm	1



Cable Drop		
Prod Code	Size	Pack
SW2211	75mm	1
SW2212	150mm	1



Intersection or Tee	
Prod Code	Pack
SW2221	1



Y Intersection or Tee	
Prod Code	Pack
SW2222	1



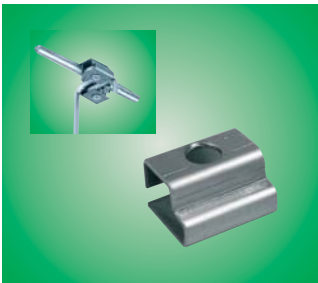
Hanging/Wall Adaptor	
Prod Code	Pack
SW2223	1



Pedestal Bracket	
Prod Code	Pack
SW2234	1



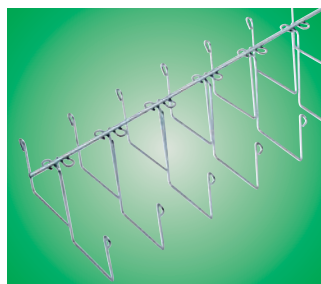
Wall Mount Bracket	
Prod Code	Pack
SW2232	1



Ceiling Spacer	
Prod Code	Pack
SW2205	10



SLAKEWAY STEEL SUPPORT SYSTEM FOR CABLING continued



Hanging SnakeWay – Double

Prod Code	Size	Pack
SW3101	108 x 108mm	1 x 2.4m
SW3102	125 x 125mm	1 x 2.4m



SnakeWay Connector

Prod Code	Pack
SW1201	10



Quick Connector

Prod Code	Pack
SW1202	10

Not suitable for SW3102 use SW1201.

HANGING SLAKEWAY – DOUBLE

Double Hanging SnakeWay provides segregation between services.

- Can be formed by hand on site.
- Single point support fixing.
- No trapeze bracket required.
- Fast and easy side entry cable loading.
- No stretching of data cables.
- No need to provide cut lengths of channel or channel nuts.



Beam Clamp

Prod Code	Size	Pack
SW2202	10mm	1



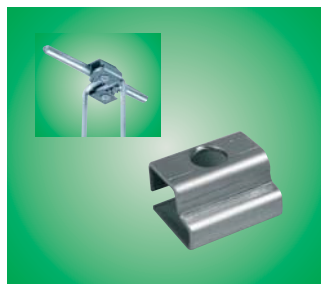
Cable Drop

Prod Code	Size	Pack
SW2211	75mm	1
SW2212	150mm	1



Intersection or Tee

Prod Code	Pack
SW3221	1



Ceiling Spacer

Prod Code	Pack
SW2205	10



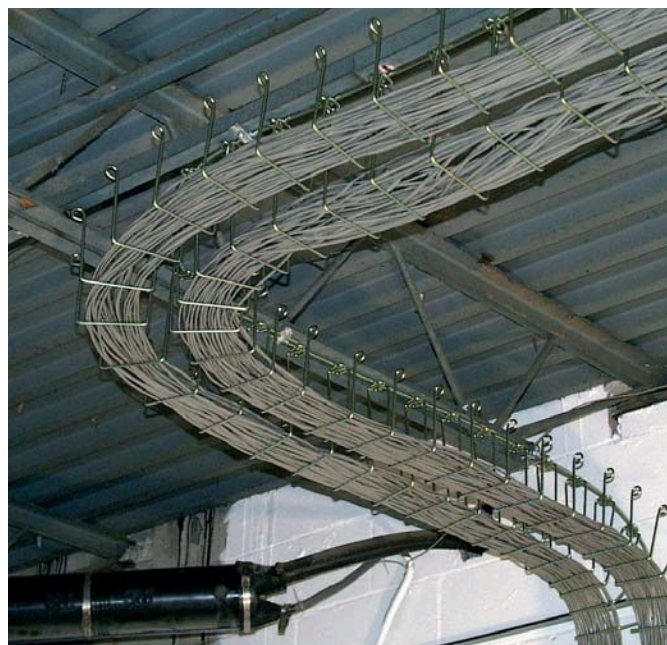
Wall Mount Bracket

Prod Code	Pack
SW3232	1



Pedestal Bracket

Prod Code	Pack
SW3234	1

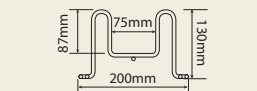


SNAKEWAY STEEL SUPPORT SYSTEM FOR CABLING continued

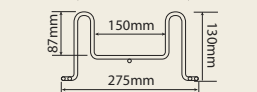
MT flexible SnakeWay is manufactured from ASTM A510 high strength steel wire to form a unique, completely hand bendable cable management system. Welding preformed steel hoops to a central spine every 100mm produces SnakeWay, allowing for its unique hand bendable design, while providing easy entry and exit for cables at any point along the length of the snakeway. The SnakeWays are constructed from pregalvanised wire in accordance with ASTM A641-89 to produce a resilient finish, which withstands indoor applications, or mild sheltered outdoor environments.

FLOOR SNAKEWAY

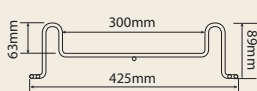
SW1101



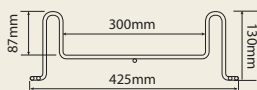
SW1102



SW1103

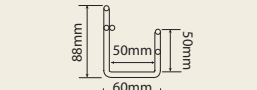


SW1104

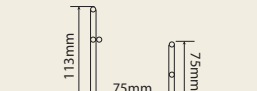


WALL SNAKEWAY

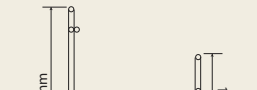
SW4101



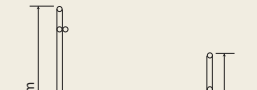
SW4102



SW4103

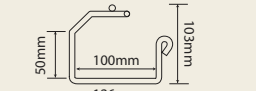


SW4104

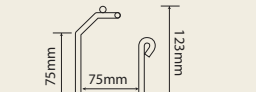


HANGING SNAKEWAY – SINGLE

SW2101



SW2102



SW2103



SW2104



HANGING SNAKEWAY – DOUBLE

SW3101

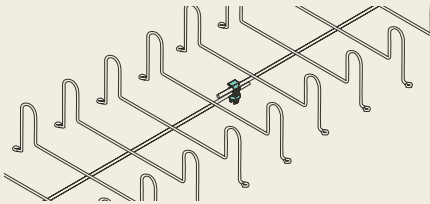


SW3102



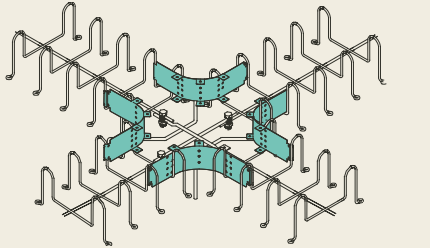
SNAKEWAY CONNECTOR – SW1201

Provides both a mechanical and electrical connection when joining snakeway sections to one another. Only one required per connection.



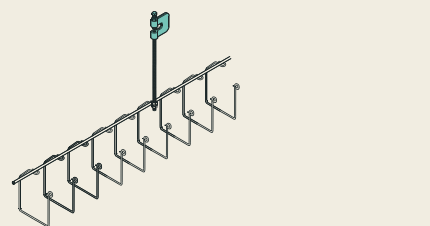
FLOOR INTERSECTION OR TEE

Used when creating 101 Series snakeway horizontal intersections. Creates a consistent smooth transition. Will not allow cables to kink. Easily attaches to SnakeWay with cable ties.



BEAM CLAMP – SW2202

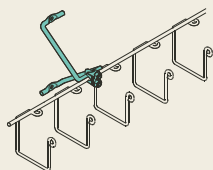
Attaches Hanging SnakeWay directly to the building structure or when suspending the snakeway with threaded rod. The beam clamp will receive a 10mm threaded rod.



SnakeWay Steel Support System for Cabling continued

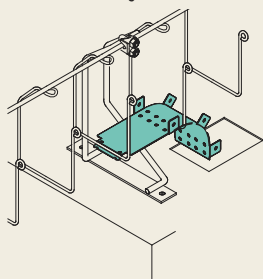
WALL BRACKET – SW2232

Used to attach single hanging SnakeWay to walls and other vertical surfaces.



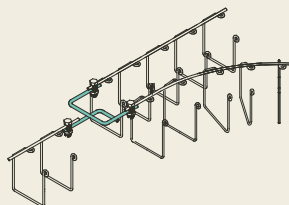
CABLE DROP – SW2211 or SW2212

Provides a smooth transition for cables when exiting the SnakeWay. Maintains a consistent 100mm radius eliminating kinked cables. Easily attaches to SnakeWay with cable ties.



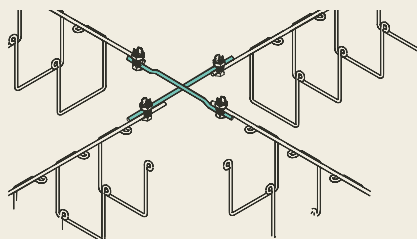
HANGING Y CONNECTION – SW2222

Used to create a 'Y' intersection or split double hanging into two separate cable paths at a terminal end.



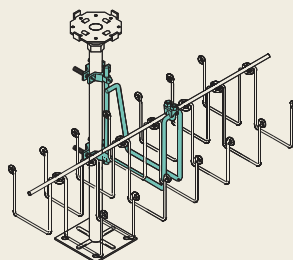
SINGLE HANGING INTERSECTION – SW2221

Installed as either a tee or four way crossing intersection.



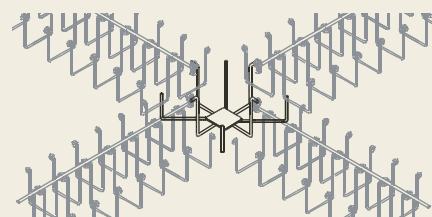
PEDESTAL BRACKET – SW2234/SW3234

Used to attach hanging SnakeWay to the floor pedestals utilised in the construction of raised access floor.



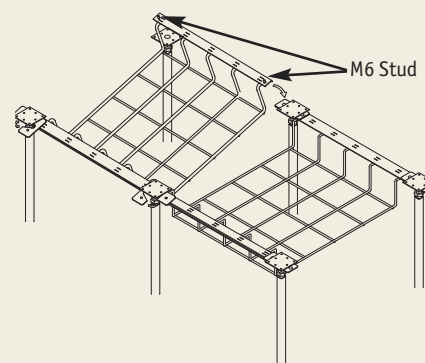
DOUBLE HANGING INTERSECTION – SW3221

Installed as either a tee or four way crossing intersection component for the double hanging SnakeWay.



UNDERFLOOR SNAKEWAY PEDESTAL

Plates slide together straddling the threaded shaft just above the adjustment nut on the pedestal. Next, the Underfloor SnakeWay component is positioned below the plate and affixed with the supplied attachment bolt. Thus creating a stable and efficient attachment platform. Allowing for the installation of Underfloor SnakeWay in standard floors.



LOADING CAPACITY DATA

Product Code	Cable Capacity						Max. Load U.D.L in Kg./m
	Space Factor sq mm	Twin & Earth 2.5mm/45% fill	Twin & Earth 4.0mm/45% fill	Typical 4 Core 35mm² SWA	Cat.5e UTP 5.5mm/45% Fill	Cat.6 UTP 6.5mm/45% Fill	
SW1101	6525	53	42	3	97	70	Not Applicable
SW1102	13050	107	84	6	194	139	Not Applicable
SW1103	18900	155	122	8	282	202	Not Applicable
SW1104	26100	214	168	11	389	278	Not Applicable
SW2101	5000	41	32	2	75	53	5.3 span 1.2m
SW2102	5625	46	36	3	84	60	5.3 span 1.2m
SW2103	11664	95	75	4	174	124	5.3 span 1.2m
SW2104	15000	123	96	6	224	160	5.3 span 1.2m
SW3101	23328	191	150	4 x 2	348	249	5.3 span 1.2m
SW3102	31250	256	201	6 x 2	466	333	11.0 span 1.2m
SW4101	2500	20	16	1	37	27	5.3 span 1.2m
SW4102	5625	46	36	2	84	60	5.3 span 1.2m
SW4103	15625	128	100	6	233	167	5.3 span 1.2m
SW4104	22500	184	145	6	335	240	5.3 span 1.2m
SW5103	85500	700	550	42	1274	912	Not Applicable
SW5113	85500	700	550	42	1274	912	Not Applicable

Loading to give a 1% deflection with support adjacent to connector.
Additional fastenings may be required to accommodate cable capacities shown.



MARSHALL-TUFFLEX INTERNATIONAL LTD

Churchfields Industrial Estate, Hastings, East Sussex TN38 9PU

International Sales: Telephone: +44 (0) 1424 856000

Fax: +44 (0) 1424 856666

Technical Hotline: Telephone: +44 (0) 1424 856688

E-mail: sales@marshall-tufflex.com

Web: www.marshall-tufflex.com

In pursuance of our policy of continued product improvement Marshall-Tufflex reserves the right to change the design or specification of its products without notification.

Approved Distributor

