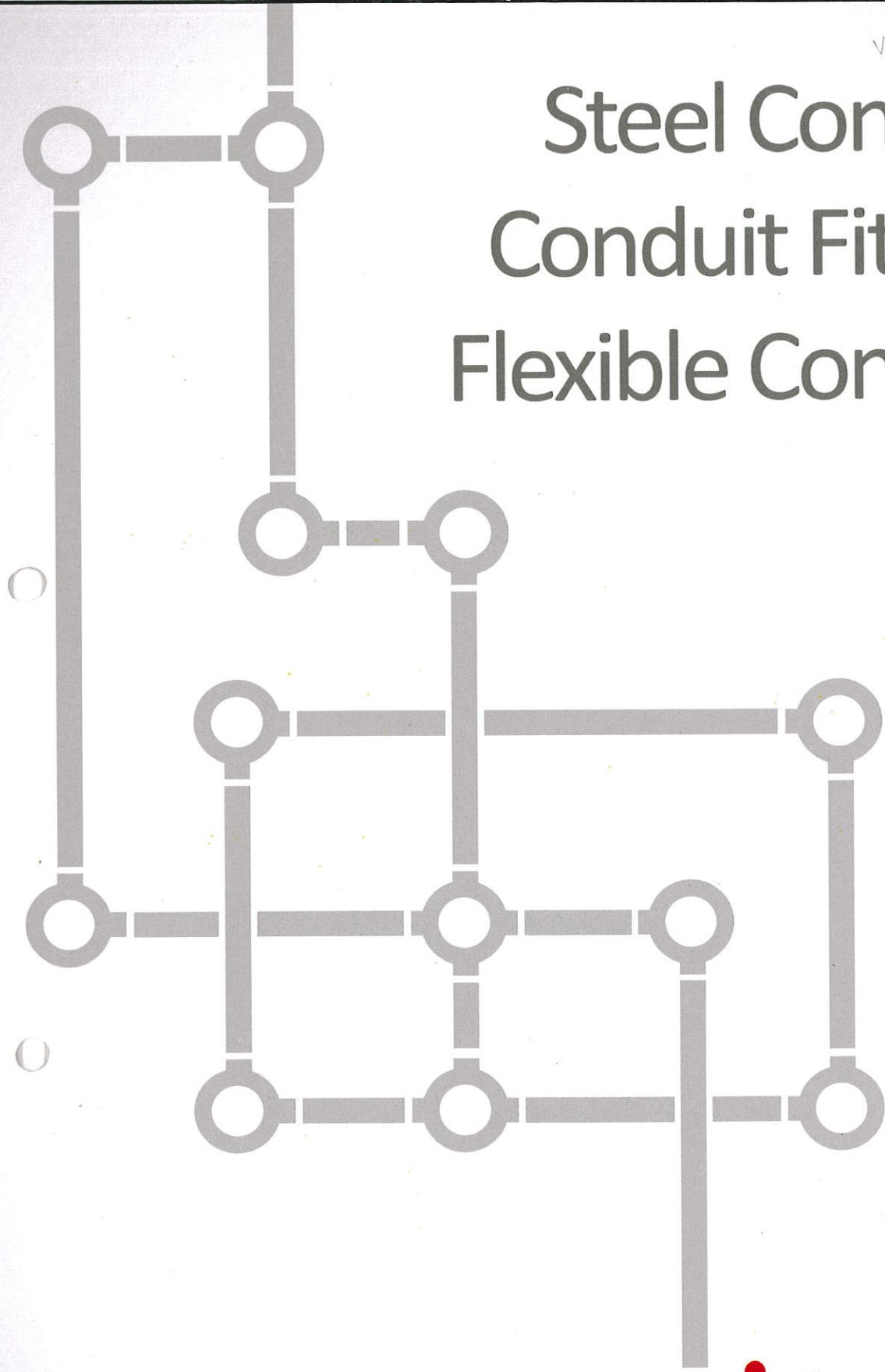


Voltecx

Steel Conduits Conduit Fittings Flexible Conduits



voltecx

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voltex

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INTRODUCTION



VOLTECX is a renowned Singapore based brand, specializing in supplying of high quality conduits and conduit fittings, backed by strong and responsive customer service team and highly expertize and motivated production team whose sole purpose is on customer satisfaction.

VOLTECX conduits range are manufactured using the highest steel grade, ensuring strong mechanical strength and to the highest quality accordance to the relevant British and International standards.

A strict set of quality assurance and procedures are enforced from raw material selection to production to packing and shipping of the end products, helps ensure clients gets the highest quality product and helps us propel our conduit systems to international fame.

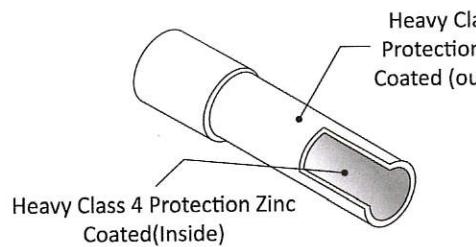
Why choose VOLTECX?

- High quality mild steel , continuously welded to ensure smooth internal surface to ensure easy wire pulling, and superior bending and forming properties.
- Threading complied with BS Specifications.
- Conduits are packed in small individual wrapped for easier handling and are supplied with one socket and a plastic capping on the other end to protect thread from damage.
- Full range of British and European standard of BS4568, IEC 61386, IEC 60614, BSEN 50086 steel conduits and conduit fittings and accessories.
- Steel flexible conduits to BS731 standards.
- K.O Boxes (Switch and socket boxes) to BS4662 standard.
- Various colored Epoxy powder coated finishing available upon request.
- Service-Oriented and responsive.
- Proper storage of finished products to ensure customers gets the freshest conduits and conduit fittings each time.
- Large and consistent stockpile available for a fast dispatch of ready goods.

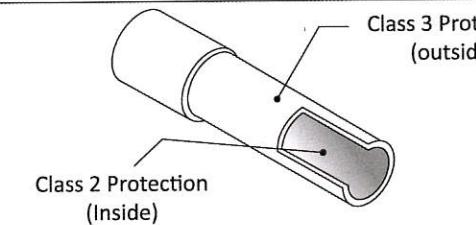
VOLTECX STEEL CONDUITS

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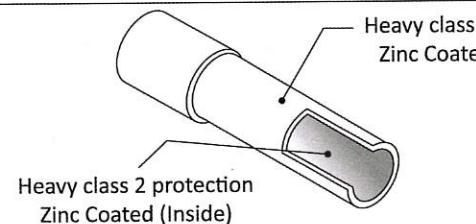
VOLTECX Rigid BS4568: Part 1: 1970 (Class 4) Conduit
IEC 61386-21:2004; IEC 60614-2-1:1993; BSEN50086-2-1:1996

<ul style="list-style-type: none"> Heavy protection on the interior and exterior of conduit surface. Hot-Dipped Galvanized to BS EN ISO 1461 (Class 4) Supplied with one coupler and threaded at both ends. Heavy Gauge Metric size threaded Suitable for outdoor installation and places where there's high level of corrosion, chemical plants, and in areas of high humidity 	 <p>Heavy Class 4 Protection Zinc Coated (outside) Heavy Class 4 Protection Zinc Coated (Inside)</p>					
Nominal size	Outside Diameter		Nominal Wall Thickness	Length of Threads		Weight per Length
	Min	Max		Min	Max	
20mm	19.7mm	20.0mm	1.6+- 0.15mm	13.0	15.0	+2.9kg
25mm	24.6mm	25.0mm	1.6+- 0.15mm	16.0	18.0	+3.8kg
32mm	31.6mm	32.0mm	1.6+- 0.15mm	18.0	20.0	+5.5kg
Note: Standard length 3.75mtr (w/o coupler)		: Colored, epoxy powder coated conduits supplied upon request				

VOLTECX Rigid BS4568: Part 1: 1970 (Class 3) Conduit IEC 61386-21:2004

<ul style="list-style-type: none"> Medium protection on the interior and exterior of conduit surface. Supplied with one coupler and threaded at both ends. Heavy Gauge Metric size threaded Suitable for indoor and semi-indoor installation 	 <p>Class 3 Protection (outside) Class 2 Protection (Inside)</p>					
Nominal size	Outside Diameter		Nominal Wall Thickness	Length of Threads		Weight per Length
	Min	Max		Min	Max	
20mm	19.7mm	20.0mm	1.6+- 0.15mm	13.0	15.0	+2.7kg
25mm	24.6mm	25.0mm	1.6+- 0.15mm	16.0	18.0	+3.4kg
32mm	31.6mm	32.0mm	1.6+- 0.15mm	18.0	20.0	+4.5kg
Note: Standard length 3.75mtr (w/o coupler)		: Colored, epoxy powder coated conduits supplied upon request				

VOLTECX Rigid BS31: 1940 (Class 3) Conduit

<ul style="list-style-type: none"> Medium protection on the interior and exterior of conduit surface. Supplied with one coupler and threaded at both ends. Heavy Gauge Imperial size threaded Suitable for indoor and semi-indoor installation 	 <p>Heavy class 4 protection Zinc Coated (outside) Heavy class 2 protection Zinc Coated (Inside)</p>					
Nominal size	Outside Diameter		Nominal Wall Thickness	Length of Threads		Weight per Length
	Min	Max		Min	Max	
3/4"	18.8mm	19.1mm	1.6+- 0.15mm	13.0	15.0	+2.7kg
1"	25.1mm	25.4mm	1.6+- 0.15mm	16.0	18.0	+3.4kg
1 1/4"	31.5mm	31.8mm	1.6+- 0.15mm	18.0	20.0	+4.5kg
Note: Standard length 3.75mm (w/o coupler)		: Colored, epoxy powder coated conduits supplied upon request				

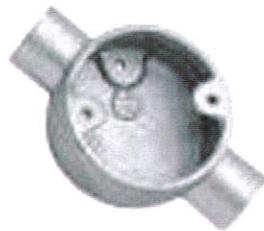
VOLTECX CIRCULAR JUNCTION BOXES

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Marking:	VOLTECX
Material:	Malleable Iron – BS4568: Pt 2: 1970/ IEC 61386-21-2004
Finishing:	Hot-Dipped Galvanized to BS EN ISO 1461
Fixing Center:	Tapped M4 at 50.8mm center
Sizes:	20mm, 25mm, 32mm



1 Way/ Terminal Box



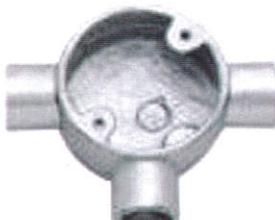
2 Way/ Through Box



1 Way/ Terminal box with Back-Hole



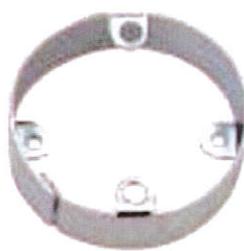
2 Way/ Angle Box



3 Way/ Tee Box



4 Way/ Intersection/ Cross Box



Extension Ring (Height 38mm)

VOLTECX CONDUIT ACCESSORIES

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Circular Box Cover/ Lid



Material:	Steel
Finishing:	Plain Galvanized or Hot-Dipped Galvanized
Sizes:	Small for 20mm and 25mm, and large for 32mm

Spacer Bar Saddle



Material:	Steel
Finishing:	Plain Galvanized or Hot-Dipped Galvanized
Sizes:	20mm, 25mm, 32mm

Half Saddle



Material:	Steel
Finishing:	Plain Galvanized
Sizes:	20mm, 25mm, 32mm

Coupling/ Socket



Material:	Steel
Finishing:	Plain Galvanized or Hot-Dipped Galvanized
Sizes:	20mm, 25mm, 32mm

Socket Joint/Screwless Coupler



Material:	Steel
Finishing:	Plain Galvanized
Sizes:	20mm, 25mm, 32mm

Dome Cover/ Lid



Material:	Malleable Iron
Finishing:	Plain Galvanized or Hot-Dipped Galvanized
Sizes:	20mm, 25mm, 32mm

Heavy Duty Distance Saddle



Material:	Malleable Iron-Base
Finishing:	Hot-Dipped Galvanized
Sizes:	20mm, 25mm, 32mm

Short Nipple



Material:	Steel
Finishing:	Plain Galvanized
Sizes:	20mm, 25mm, 32mm

Reducer



Material:	Brass/ Alloy
Finishing:	Plain Galvanized
Sizes:	25mm x 20mm, 32mm x 25mm

VOLTECX CONDUIT ACCESSORIES

voltex

Brass Male Bush- Short



Material: Brass

Finishing: -

Sizes: 20mm, 25mm, 32mm

Brass Male Bush- Long



Material: Brass

Finishing: -

Sizes: 20mm, 25mm, 32mm

Female Bush



Material: Brass

Finishing: -

Sizes: 20mm, 25mm, 32mm

Hex Locknut



Material: Alloy/ Brass

Finishing: Plain Galvanized

Sizes: 20mm, 25mm, 32mm

Flange Coupling



Material: Steel

Finishing: Plain Galvanized

Sizes: 20mm, 25mm, 32mm

Stop Plug



Material: Alloy/ Brass

Finishing: Plain Galvanized

Sizes: 20mm, 25mm, 32mm

Ball and Socket



Material: Steel

Finishing: Galvanized

Sizes: 20mm, 25mm

Lock Ring



Material: Alloy/ Brass

Finishing: Plain Galvanized

Sizes: 20mm, 25mm, 32mm

VOLTECX SWITCH AND SOCKET BOXES (K.O. BOXES)

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1 Gang Knock-Out (K.O)/ Switch and Socket Box



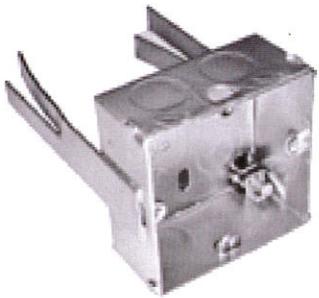
Material:	Steel
Finishing:	Plain Galvanized
Standard:	BS4662 (thickness 1.1mm-1.2mm) Normal (thickness 0.8mm)
Sizes:	75mm (width) x 75mm (Length) x 35mm (Height)
Features:	Available mixed 20mm and 25mm K.O Holes 1 adjustable lug 1 earth terminal

2 Gang Knock-Out (K.O)/ Switch and Socket Box



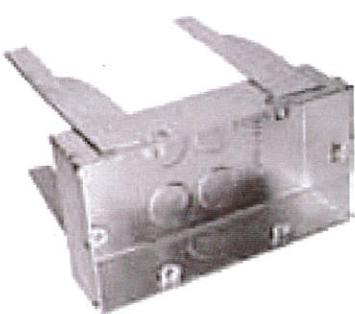
Material:	Steel
Finishing:	Plain Galvanized
Standard:	BS4662 (thickness 1.1mm-1.2mm) Normal (thickness 0.8mm)
Sizes:	135mm (width) x 75mm (Length) x 35mm (Height)
Features:	Available mixed 20mm and 25mm K.O Holes 1 adjustable lug 1 earth terminal

1 Gang Knock-Out (K.O)/ Switch and Socket Box – “With Fish Tail”



Material:	Steel
Finishing:	Hot-Dipped Galvanized
Standard:	BS4662 (thickness 1.1mm-1.2mm) Normal pattern welded fish tail
Sizes:	75mm (width) x 75mm (Length) x 35mm (Height)
Features:	Available mixed 20mm and 25mm K.O Holes 1 earth terminal

2 Gang Knock-Out (K.O)/ Switch and Socket Box- “With Fish Tail”



Material:	Steel
Finishing:	Hot-Dipped Galvanized
Standard:	BS4662 (thickness 1.1mm-1.2mm) Normal pattern welded fish tail
Sizes:	135mm (width) x 75mm (Length) x 35mm (Height)
Features:	Available mixed 20mm and 25mm K.O Holes 1 earth terminal

VOLTECX FLEXIBLE CONDUIT SYSTEM

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PVC Coated Flexible Conduit



Material:	Electro-Galvanized Steel with self-extinguishing black PVC sheathing
Standard:	BS731/ BS EN 50086
IP Rating:	IP 67 (when installed with liquid tight adaptors)
Features:	Highly flexible, provide good protection of cables water-resistant with maximum protection against most liquids and solid particles. High temperature resistance up till 120deg c. Manufactured to withstand vibrations of installations and equipment

G.I. Steel Flexible Conduit



Material:	Electro-Galvanized Steel
Standard:	BS731
IP Rating:	IP40
Features:	Highly flexible and economical and offers good mechanical protection. Highest temperature resistance of up to 350deg c

Low Smoke (LSOH) Coated Flexible Conduit



Material:	Electro-Galvanized Steel with heat resistant, low smoke halogen free sheathing
Standard:	IEC 61386/ IEC 61034
IP Rating:	IP 67 (when installed with liquid tight adaptors)
Features:	Resistance to flame, does not emit toxic gases when heated. Ideal for installation in fire-hazard areas

Liquid Tight Flexible Conduit



Material:	Electro-Galvanized Steel with self-extinguishing black PVC sheathing
Standard:	BS731
IP Rating:	IP 67 (when installed with liquid tight adaptors)
Features:	Resistance to oil, seawater and tough acids. Ideal for installation in chemical plants

Brass Adaptor C/W Locknut



Material:	Alloy
Finishing:	Brass
Sizes:	20mm x 16mm, 20mm x 20mm, 20mm x 5/8", 25mm x 20mm, 25mm x 25mm, 32mm x 25mm

Nickel Plated Adaptor



Material:	Alloy
Finishing:	Nickle plated
Sizes:	20mm x 16mm, 20mm x 20mm, 20mm x 5/8", 25mm x 20mm, 25mm x 25mm, 32mm x 25mm

Liquid Tight Adaptor

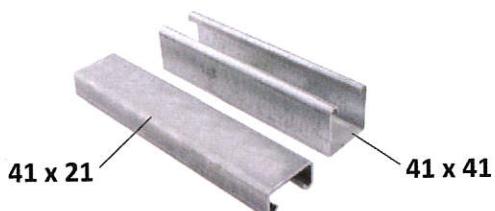


Material:	Alloy
Finishing:	Galvanized
Sizes:	20mm x 16mm, 20mm x 20mm, 20mm x 5/8", 25mm x 20mm, 25mm x 25mm, 32mm x 25mm

VOLTECX SUPPORT CHANNEL SYSTEM

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Struts C-Channels



Material and Finishing:	Mild Steel with Hot-Dipped Galvanized Finishing (BS EN ISO 1461)/ Stainless Steel to SS304 or SS316
Thickness:	2.0mm/ 2.5mm
Length:	3.0mtr/ 5.8mtr/ 6mtr

Threaded Rods



* Length: 2mtr, others upon request

Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	3/8", 10mm, 12mm, 16mm

Angle Bars/ Irons



* Length:
5.8mtr/ 6mtr

Material:	Mild Steel
Finishing:	Hot-Dipped Galvanized
Sizes:	25mm x 25mm, 32mm x 32mm, 38mm x 38mm

C-Brackets



Material:	Mild Steel
Finishing:	Hot-Dipped Galva- nized / Electro- Galvanized
Sizes:	3"-5"-4", 4"-6"-6"

Threaded Rod Coupler



Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	3/8", 10mm, 12mm, 16mm

Roofing Bolt and Nuts



Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	M6x12, 16,20

Hex Bolt and Nuts



Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	M8, M10, M12

Drop-In Anchor



Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	3/8", 10mm, 12mm, 16mm

Spring Nut



Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	3/8", 10mm, 12mm, 16mm

Washers

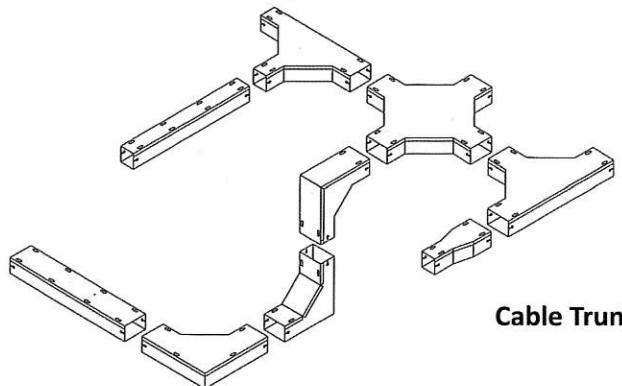


Material:	Low Carbon Steel
Finishing:	Electro-Galvanized
Sizes:	3/8", 10mm, 12mm, 16mm

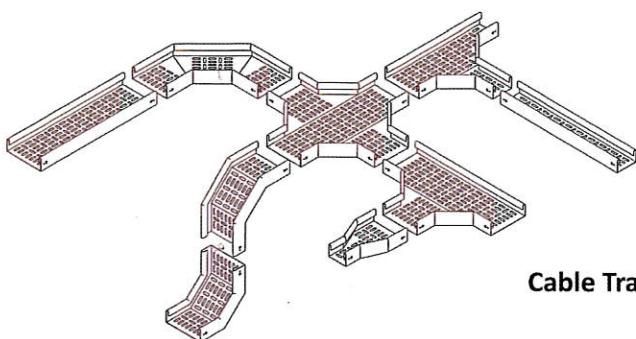
VOLTECX CABLE SUPPORT SYSTEM

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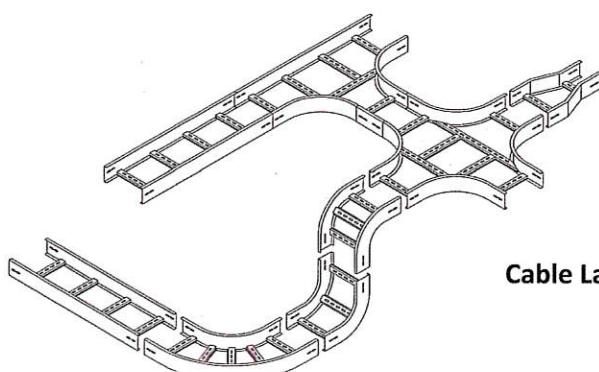
Metal Cable Trunkings/ Trays/ Ladders



Cable Trunking System



Cable Tray System



Cable Ladder System

Trunking sizes (mm)

50x25	50x50
75x50	100x50
100x75	100x100
150x50	150x75
150x100	150x150
200x50	200x75
200x100	200x150
250x75	250x100
300x50	300x75
300x100	300x150
400x100	500x100

Tray sizes (mm)

50	75
100	150
200	300
400	450
500	600
700	750
800	900
1000	1100

Ladder sizes (mm)

300mm	400mm
450mm	500mm
600mm	700mm
750mm	800mm
900mm	1000mm
1200mm	1400mm

* Other Sizes available

Materials

Type of Finishing

Electro-Galvanized or eq	Epoxy Powder Coated to a minimum of 50 microns SS249 standard available.
Galvanized iron to JIS G3302 or ASTM A52	Original Finishing
Cold Rolled/ Hot-Rolled Steel to JIS G3141/ 3131	Epoxy Powder Coated or Hot-Dipped Galvanized to BS EN ISO1461: 1999
Electro-Galvanized Zinc coated to JIS G3313 SECC	Epoxy Powder Coated
Stainless Steel to SS304/ SS316	Original Finishing

Standard Length:

2.44mtr or 3mtr/ Custom lengths are available upon request

Complete with:

Joint Plate, bolt and nut, copper link and tapping screws

Others:

Original factory fittings are available upon request



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Voltecx makes its effort to ensure the information shown in the catalog is as accurate as possible. Voltecx, however cannot guarantee this and accepts no liability for mis-interpretation of this catalog.