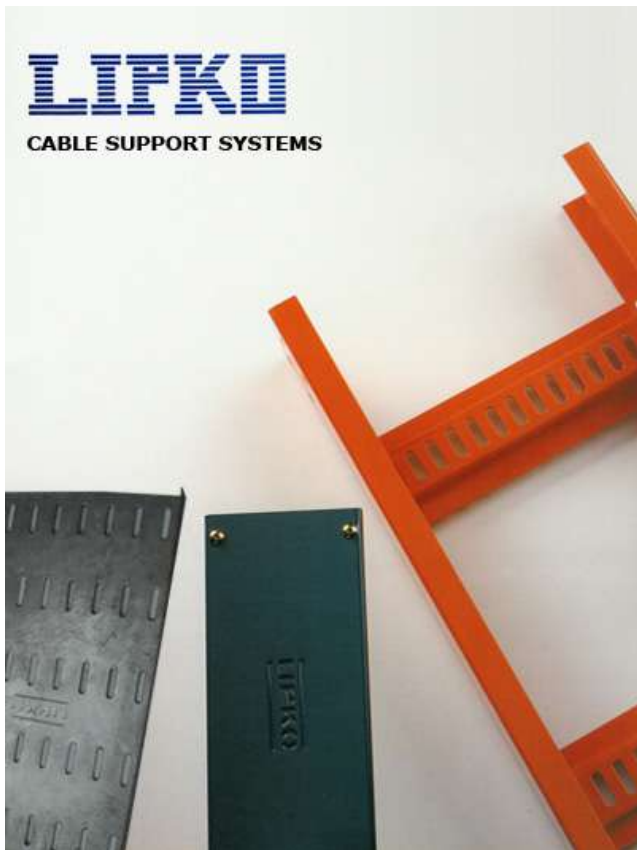


# CABLE SUPPORT SYSTEMS

**LIPKO**

CABLE TRUNKING  
CABLE TRAY  
CABLE LADDER  
& ACCESSORIES



PROJECTS	CONSULTANTS
Harbour Front	PSA
Tuas Check Point	CPG
Higoaks Condominium	Meinhardt
King's Centre Building	Squire Mech
Aspen Height Condominium	JRP
Bank of China	PCR
West Mall Shopping Centre	Alpha Engineers
Pasir Laba Camp	Parsons
Hillview Garden Condominium	DMS
Mobile One Building	Regional
Bukit Panjang Plaza	H Y M&E
Central Square Building	UPC
Roxy Square Building	J M Pang
Existing MRT 29 Station Up-Grading	LTA
Southaven Condominium	Bescon
SMU	Beca Carter
Greatworld City	PCR
Lane Crawford	Wong & Owyang
NUS Admin & Hall	Hyder Consultant



**Tan Teck Seng Electric Co. (Pte) Ltd**

137 Kaki Bukit Avenue 1,

Shun Li Industrial Park, Singapore 416003

tselect@tts.sg

Tel: 6747-8833 Fax: 67470370

Copyright © 2008-2018 Tan Teck Seng Electric Co. Pte. Ltd. All rights reserved.

Material data listed in this catalog supercedes all information in previous publications.

All product dimension and material specification is as accurate as possible at time of publication.

Tan Teck Seng Electric Co. Pte. Ltd. reserves the right to change the design or specification of its products without notification.

Whilst utmost care has been taken to maintain accuracy in the data, the company does not hold any responsibility for errors and accepts no liability for the use or interpretation of this data.

## SS249 CABLE TRUNKING



TURN BUCKLES  
TYPE



STANDARD TYPE



HOT-DIPPED  
GALVANIZED

AVAILABLE FINISHES	CODE
Epoxy Coated	ST
Hot Dipped Galvanized	HDST

STANDARD LENGTH	2.44m or 8 ft
WIDTH	50mm - 600mm
HEIGHT	25mm - 200mm

LIPKO SS249 cable trunking is manufactured from high quality electro galvanized steel sheet to JIS 3313 SECC (Phosphated) and zinc coated on each side. It is finished with epoxy powder coating. Minimum film thickness 45 Micron. Both the body and the cover are press brake formed to a close tolerance to facilitate easy assembly. Each length is supplied complete with a coupling joint, copper earth continuity link, self tapping screws, bolts and nuts.

CODE	SIZE		THICKNESS	
	MM	INCHES	BODY MM	COVER MM
ST-21	50 X 25	2 X 1	1.0	1.0
ST-22	50 X 50	2 X 2	1.0	1.0
ST-32	75 X 50	3 X 2	1.2	1.2
ST-42	100 X 50	4 X 2	1.2	1.2
ST-62	150 X 50	6 X 2	1.4	1.2
ST-82	200 X 50	8 X 2	1.6	1.4
ST-102	250 X 50	10 X 2	1.6	1.4
ST-122	300 X 50	12 X 2	1.6	1.6
ST-142	350 X 50	14 X 2	1.6	1.6
ST-43	100 X 75	4 X 3	1.2	1.2
ST-63	150 X 75	6 X 3	1.4	1.2
ST-83	200 X 75	8 X 3	1.6	1.4
ST-103	250 X 75	10 X 3	1.6	1.4
ST-123	300 X 75	12 X 3	1.6	1.6
ST-44	100 X 100	4 X 4	1.4	1.2
ST-64	150 X 100	6 X 4	1.4	1.2
ST-84	200 X 100	8 X 4	1.6	1.4
ST-124	300 X 100	12 X 4	1.6	1.6
ST-66	150 X 150	6 X 6	1.4	1.2
ST-86	200 X 150	8 X 6	1.6	1.4



TURN BUCKLE  
(EXTERNAL)



TURN BUCKLE  
(INTERNAL)

## STANDARD CABLE TRUNKING



EOT - EPOXY COATED  
TRUNKING (TURN BUCKLE)



EOT - EPOXY COATED  
TRUNKING (STANDARD)



HDTK - HOT-DIPPED  
GALVANIZED TRUNKING



SS - STAINLESS STEEL

AVAILABLE FINISHES	CODE
Epoxy Coated	EOT
Hot Dipped Galvanized	HDTK
Stainless Steel 304 316	304TK 316TK
Plain Galvanized	PGT

STANDARD LENGTH	2.44m or 8 ft
WIDTH	50mm - 600mm
HEIGHT	25mm - 200mm
THICKNESS	0.8mm to 1.6mm

LIPKO standard cable trunking are supplied with inturned flanged body and overlapping cover firmly by electro galvanized self tapping screws giving maximum rigidity throughout its full length. Both the body and the cover are press brake formed to a close tolerance to facilitate easy assembly. Multi compartment cable trunking is available upon request.

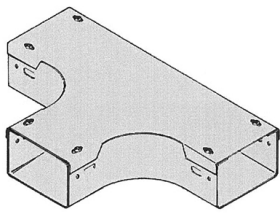
Each length is supplied complete with a coupling joint, copper earth continuity link, self tapping screws, bolts and nuts.

SIZE		20 GAUGE	18 GAUGE	16 GAUGE
MM	INCHES	CODE/SIZE/ THICKNESS	CODE/SIZE/ THICKNESS	CODE/SIZE/ THICKNESS
50 X 25	2 X 1	EOT/21/20	EOT/21/18	EOT/21/16
50 X 50	2 X 2	EOT/22/20	EOT/22/18	EOT/22/16
75 X 50	3 X 2	EOT/32/20	EOT/32/18	EOT/32/16
100 X 50	4 X 2	EOT/42/20	EOT/42/18	EOT/42/16
100 X 75	4 X 3	EOT/43/20	EOT/43/18	EOT/43/16
100 X 100	4 X 4	EOT/44/20	EOT/44/18	EOT/44/16
150 X 50	6 X 2	EOT/62/20	EOT/62/18	EOT/62/16
150 X 75	6 X 3	EOT/63/20	EOT/63/18	EOT/63/16
150 X 100	6 X 4	EOT/64/20	EOT/64/18	EOT/64/16
150 X 150	6 X 6	-	EOT/66/18	EOT/66/16
200 X 50	8 X 2	-	EOT/82/18	EOT/82/16
200 X 75	8 X 3	-	EOT/83/18	EOT/83/16
200 X 100	8 X 4	-	EOT/84/18	EOT/84/16
200 X 150	8 X 6	-	EOT/86/18	EOT/86/16
300 X 75	12 X 3	-	EOT/123/18	EOT/123/16
300 X 100	12 X 4	-	EOT/124/18	EOT/124/16



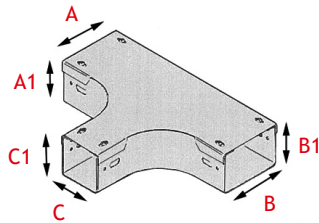
TRUNKING END  
CAP

## CABLE TRUNKING ACCESSORIES TEES, CROSSES, ELBOWS



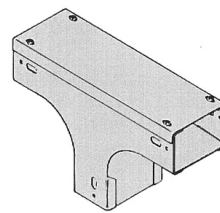
**Flatwise Tee**

**CODE FT**



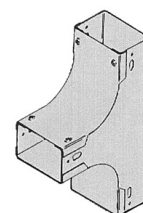
**Flatwise Tee Reducer**

**EXAMPLE:**  
A: 75 x A1 : 50mm to B: 75 x  
B1: 50mm to C: 50 x C1: 50



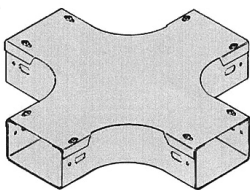
**Horizontal Tee**

**CODE HT**



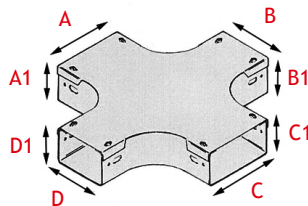
**Vertical Tee**

**CODE VT**



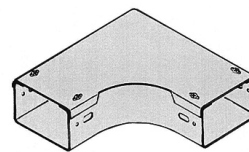
**Flatwise Cross**

**CODE FC**



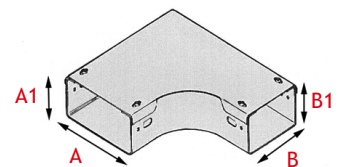
**Edgewise Cross Reducer**

**EXAMPLE:**  
A: 100 x A1 : 50mm to B: 100 x  
B1: 50mm to C: 100mm x C1: 50mm  
to D: 75mm x D1 : 50mm



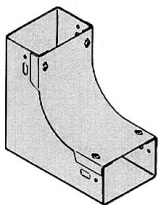
**Flatwise Elbow**

**CODE FE**



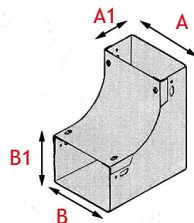
**Flatwise Elbow Reducer**

**EXAMPLE:**  
A: 100 x A1: 50mm to  
B: 75 x B1: 50mm



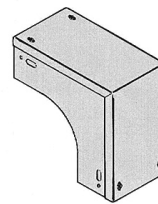
**Edgewise Elbow  
(inside cover)**

**CODE EF**



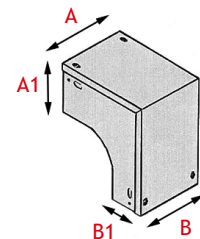
**Edgewise Elbow  
Reducer  
(inside cover)**

**EXAMPLE:**  
A: 100 x A1: 50mm to  
B: 100 x B1: 75mm



**Edgewise Elbow  
(outside cover)**

**CODE ET**



**Edgewise Elbow  
Reducer  
(outside cover)**

**EXAMPLE:**  
A: 100 x A1: 75mm to  
B: 100 x B1: 50mm

AVAILABLE FINISHES	CODE
Epoxy Coated	E
Hot Dipped Galvanized	HD
Stainless Steel 304 316	SS

<b>STANDARD LENGTH</b>	2.44m or 8 ft
<b>WIDTH</b>	50mm - 600mm
<b>HEIGHT</b>	25mm - 200mm

### ORDERING GUIDE

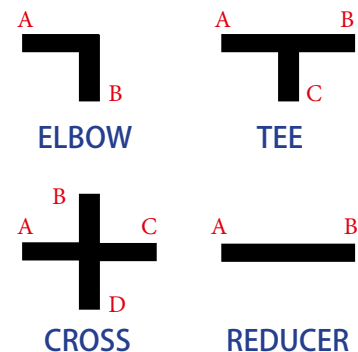
Please specify the type of fitting, width, height and finishing when ordering.

For unequal fittings, please indicate the dimension (width and height) in clockwise manner shown on the right.

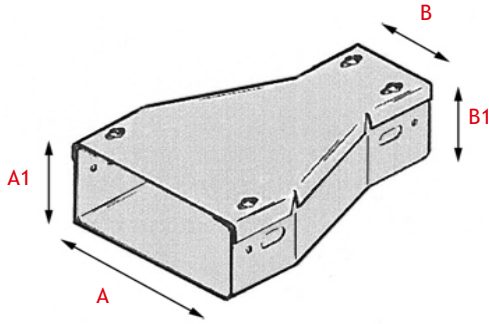
#### EXAMPLE :

Edgewise Cross Reducer  
A & A1 Dimension : 100mm x 50mm  
B & B1 Dimension : 100mm x 50mm  
C & C1 Dimension : 100mm x 50mm  
D & D1 Dimension : 75mm x 50mm

Other non-standard fittings can be manufactured upon order



## CABLE TRUNKING ACCESSORIES REDUCERS

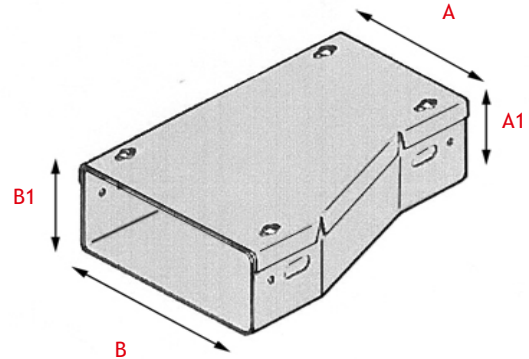


**Reducer Width**

**CODE**            **RW**

**EXAMPLE:**

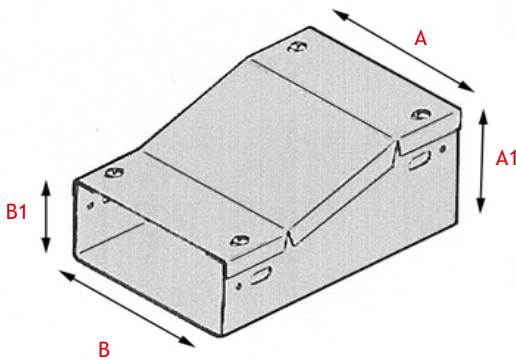
A:100 x A1:50mm to B:50 x B1:50mm



**Reducer Width - Left**

**EXAMPLE:**

A:75 x A1:50mm to B:100 x B1:50mm

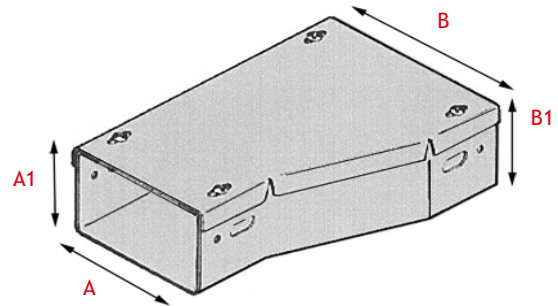


**Reducer Height**

**CODE**            **RH**

**EXAMPLE:**

A:100 x A1:75mm to B:100 x B1:50mm



**Reducer Width - Right**

**EXAMPLE:**

A:100 x A1:50mm to B:75 x B1:50mm

AVAILABLE FINISHES	CODE
Epoxy Coated	E
Hot Dipped Galvanized	HD
Stainless Steel 304	SS
316	

<b>STANDARD LENGTH</b>	2.44m or 8 ft
<b>WIDTH</b>	50mm - 600mm
<b>HEIGHT</b>	25mm - 200mm

### ORDERING GUIDE

Please specify the type of fitting, width, height and finishing when ordering.

For unequal fittings, please indicate the dimension (width and height) in clockwise manner shown on the right.

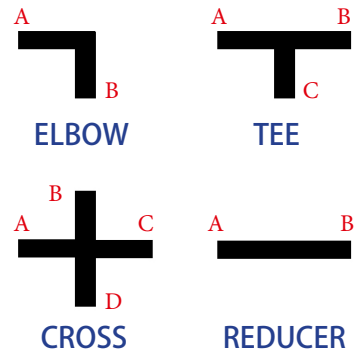
**EXAMPLE :**

**Trunking Reducer Height**

A & A1 Dimension : 100mm x 75mm

B & B1 Dimension : 100mm x 50mm

Other non-standard fittings can be manufactured upon order



## STANDARD FLANGE CABLE TRAY



ETM- EPOXY CABLE TRAY

AVAILABLE FINISHES	CODE
Epoxy Coated	ETM
Hot Dipped Galvanized	HDTM
Stainless Steel 304 316	304TM 316TM

<b>STANDARD LENGTH</b>	2.44m or 8 ft
<b>WIDTH</b>	50mm - 1000mm
<b>FLANGE HEIGHT</b>	12mm - 25mm
<b>THICKNESS</b>	0.8mm to 2.0mm

**LIPKO** Standard flange cable tray is manufactured from high quality steel plates with standard flange height for support and strength to carry most cable load requirements. Each length is supplied complete with a joint plate, copper earth continuity link, bolts and nuts.

SIZE		20 GAUGE	18 GAUGE	16 GAUGE	14 GAUGE
MM	INCHES	CODE/SIZE/THICKNESS	CODE/SIZE/THICKNESS	CODE/SIZE/THICKNESS	CODE/SIZE/THICKNESS
50	2	ETM/2/20	ETM/2/18	ETM/2/16	ETM/2/14
75	3	ETM/3/20	ETM/3/18	ETM/3/16	ETM/3/14
100	4	ETM/4/20	ETM/4/18	ETM/4/16	ETM/4/14
150	6	ETM/6/20	ETM/6/18	ETM/6/16	ETM/6/14
200	8	ETM/8/20	ETM/8/18	ETM/8/16	ETM/8/14
250	10	ETM/10/20	ETM/10/18	ETM/10/16	ETM/10/14
300	12	ETM/12/20	ETM/12/18	ETM/12/16	ETM/12/14
400	16	-	ETM/16/18	ETM/16/16	ETM/16/14
450	18	-	-	ETM/18/16	ETM/18/14
500	20	-	-	ETM/20/16	ETM/20/14
600	24	-	-	ETM/24/16	ETM/24/14
750	30	-	-	ETM/30/16	ETM/30/14
800	32	-	-	ETM/32/16	ETM/32/14
900	36	-	-	ETM/36/16	ETM/36/14
1000	40	-	-	ETM/40/16	ETM/40/14

## STANDARD RETURN FLANGE CABLE TRAY



ETM- EPOXY CABLE TRAY RETURN FLANGE

AVAILABLE FINISHES	CODE
Epoxy Coated	ETMR
Hot Dipped Galvanized	HDTMR
Stainless Steel 304 316	304TMR 316TMR

<b>STANDARD LENGTH</b>	2.44m or 8 ft
<b>WIDTH</b>	50mm - 1000mm
<b>HEIGHT</b>	25mm - 50mm
<b>THICKNESS</b>	1.2mm to 2.0mm

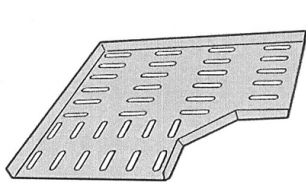
**LIPKO** Standard return flange cable tray is manufactured from heavy gauge steel plates with a 25mm flange height and 9mm returned flange for increased rigidity and strength to support heavy cable loads. Other flange height are also available upon requests.

Suitable for use in installation of heavy cable.

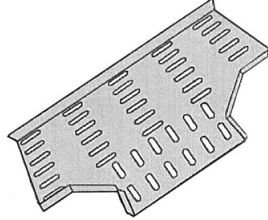
Each length is supplied complete with a joint plate, copper earth continuity link, bolts and nuts.

SIZE		18 GAUGE	16 GAUGE	14 GAUGE
MM	INCHES	CODE/SIZE/THICKNESS	CODE/SIZE/THICKNESS	CODE/SIZE/THICKNESS
50	2	ETMR/2/18	ETMR/2/16	ETMR/2/14
75	3	ETMR/3/18	ETMR/3/16	ETMR/3/14
100	4	ETMR/4/18	ETMR/4/16	ETMR/4/14
150	6	ETMR/6/18	ETMR/6/16	ETMR/6/14
200	8	ETMR/8/18	ETMR/8/16	ETMR/8/14
250	10	ETMR/10/18	ETMR/10/16	ETMR/10/14
300	12	ETMR/12/18	ETMR/12/16	ETMR/12/14
400	16	-	ETMR/16/16	ETMR/16/14
450	18	-	ETMR/18/16	ETMR/18/14
500	20	-	ETMR/20/16	ETMR/20/14
600	24	-	ETMR/24/16	ETMR/24/14
750	30	-	-	ETMR/30/14
800	32	-	-	ETMR/32/14
900	36	-	-	ETMR/36/14
1000	40	-	-	ETMR/40/14

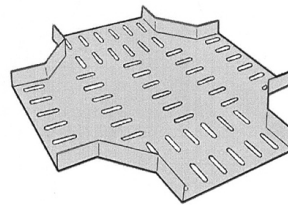
**CABLE TRAY ACCESSORIES**  
ELBOWS, TEES, CROSSES, REDUCERS, RISERS  
UNEQUAL ELBOWS, TEES, CROSSES, JOINT PLATE



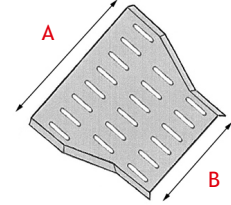
**Flatwise Elbow**  
CODE **TFEM**



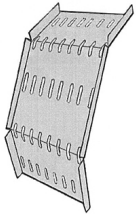
**Flatwise Tee**  
CODE **TFTM**



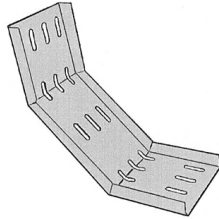
**Flatwise Cross**  
CODE **TFCM**



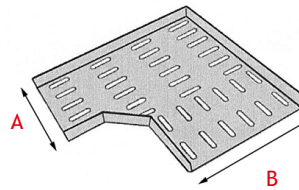
**Straight Reducer**  
CODE **TR**



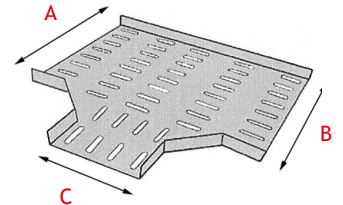
**External Riser (Outside Riser)**  
CODE **TERM**



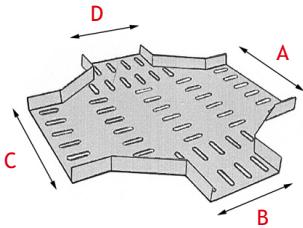
**Internal Riser (Inside Riser)**  
CODE **TIRM**



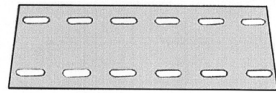
**Unequal Elbow**  
**EXAMPLE:**  
A:150mm to B:100mm



**Unequal Tee**  
**EXAMPLE:**  
A:200mm to B:200mm to C:100mm



**Unequal Cross**  
**EXAMPLE:**  
A:150mm to B:100mm to C:150 x D:100mm



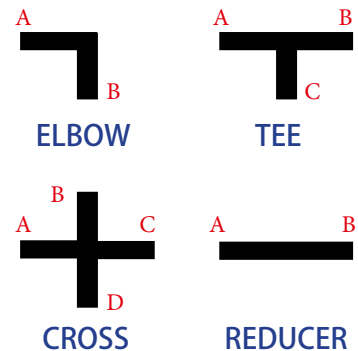
**Joint Plate**  
CODE **ETMJ**

AVAILABLE FINISHES	CODE
Epoxy Coated	E
Hot Dipped Galvanized	HD
Stainless Steel 304	SS
316	

<b>WIDTH</b>	50mm - 1000mm
<b>HEIGHT</b>	12mm - 25mm

**ORDERING GUIDE**

Please specify the type of fitting, width, height and finishing when ordering.  
For unequal fittings, please indicate the dimension (width and height) in clockwise manner shown on the right.  
**EXAMPLE:**  
Unequal Elbow  
A Dimension : 150mm  
B Dimension : 100mm



Other non-standard fittings can be manufactured upon order

## STANDARD CABLE LADDER



EPOXY CABLE LADDER



AVAILABLE FINISHES	CODE
Epoxy Coated	ECL
Hot Dipped Galvanized	HDCL
Stainless Steel 304 316	304CL 316CL

<b>STANDARD LENGTH</b>	2.44m or 8 ft
<b>WIDTH</b>	150mm - 1500mm
<b>FLANGE HEIGHT</b>	100mm - 150mm
<b>THICKNESS</b>	2.0mm

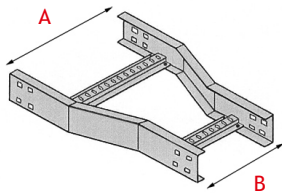
SIZE		ECL	HDCL	SSCL
MM	INCHES	CODE/ SIZE	CODE/ SIZE	CODE/ SIZE/
150	6	ECL/6/	HDCL/6/	SSCL/6/
200	8	ECL/8/	HDCL/8/	SSCL/8/
300	12	ECL/12/	HDCL/12/	SSCL/12/
400	16	ECL/16/	HDCL/16/	SSCL/16/
450	18	ECL/18/	HDCL/18/	SSCL/18/
500	20	ECL/20/	HDCL/20/	SSCL/20/
600	24	ECL/24/	HDCL/24/	SSCL/24/
700	28	ECL/28/	HDCL/28/	SSCL/28/
750	30	ECL/30/	HDCL/30/	SSCL/30/
800	32	ECL/32/	HDCL/32/	SSCL/32/
900	36	ECL/36/	HDCL/36/	SSCL/36/
1000	40	ECL/40/	HDCL/40/	SSCL/40/
1200	48	ECL/48/	HDCL/48/	SSCL/48/
1400	56	ECL/56/	HDCL/56/	SSCL/56/
1500	60	ECL/60/	HDCL/60/	SSCL/60/

Cable ladder are the most popular format for cable support systems as they provide an attractive combination of strength and long service life.

**LIPKO** Cable ladder is designed to withstand considerable cable loads and provides an economic solution to cabling management. It is able to support heavy cable or pipe loads across long spans thus optimizing the economic usage of the support structure.

Each length is supplied complete with a pair of joint plates, copper earth continuity link, bolts and nuts.

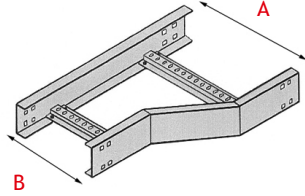
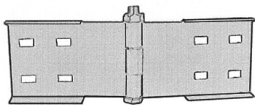
**CABLE LADDER ACCESSORIES**  
REDUCERS ADJUSTABLE JOINT PLATES  
ELBOWS TEES CROSSES RISERS



**Straight Reducer**

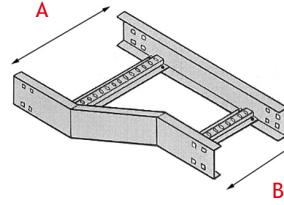
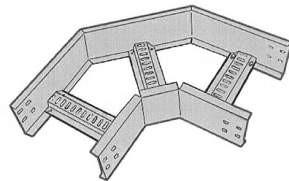
**CODE ECLR**

**EXAMPLE:**  
A:600mm to B:300mm



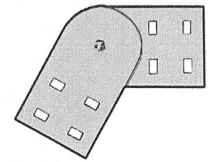
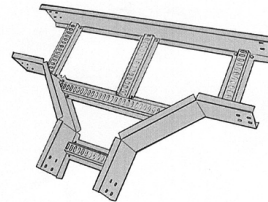
**Reducer Left**

**EXAMPLE:**  
A:600mm to B:300mm



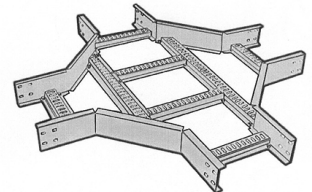
**Reducer Right**

**EXAMPLE:**  
A:600mm to B:300mm



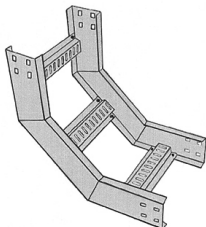
**Vertical Adjustable Joint Plate**

**CODE ECLSJ**



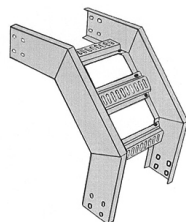
**Horizontal Adjustable Joint Plate**

**CODE ECLHJ**



**Flatwise Elbow**

**CODE ECLE**



**Flatwise Tee**

**CODE ECLT**

**Flatwise Cross**

**CODE ECLC**

**Internal Riser (Inside Riser)**

**CODE ECLIR**

**External Riser (Outside Riser)**

**CODE ECLOR**

AVAILABLE FINISHES	CODE
Epoxy Coated	E
Hot Dipped Galvanized	HD
Stainless Steel 304	SS
316	

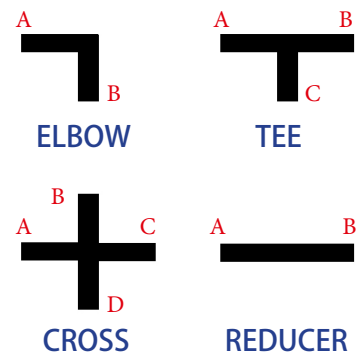
<b>WIDTH</b>	150mm - 1500mm
<b>HEIGHT</b>	100mm - 150mm
<b>THICKNESS</b>	2.0mm

**ORDERING GUIDE**

Please specify the type of fitting, width, height and finishing when ordering.

For unequal fittings, please indicate the dimension (width and height) in clockwise manner shown on the right.

**EXAMPLE :**  
Straight Reducer  
A Dimension : 600mm  
B Dimension : 300mm



Other non-standard fittings can be manufactured upon order

Copyright © 2008-2018 Tan Teck Seng Electric Co. Pte. Ltd. All rights reserved.

All content in this catalogue, including (but not limited to) the layout, design, images, brand names and other information, are protected by copyright and other intellectual property laws. Except when expressly permitted under these laws, no part of the information contained herein may be reproduced or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or used for advertising or promotional purposes, general distribution, creating new collective works, or for resale, without prior written permission of Tan Teck Seng Electric Co. Pte. Ltd.

All product dimension and material specification is as accurate as possible at time of publication.

Tan Teck Seng Electric Co. Pte. Ltd. reserves the right to change the design or specification of its products without notification.

Whilst utmost care has been taken to maintain accuracy in the data, the company does not hold any responsibility for errors and accepts no liability for the use or interpretation of this data.