



## Wire Mesh Cable Tray

### PRODUCT DESCRIPTION

With a fully open structure, our wire mesh cable trays offer more advantages than any other type of cable trays. They are widely used all over the world in different fields like data center, food industry, building construction, etc.

This wire mesh cable tray holds the top position when it comes to our cable tray products. We design and manufacture cable trays and accessories that obey NEMA and IEC 61537. We also accept customization and fabrication of basket cable trays.

### TECHNICAL PARAMETERS

Material & Surface Finish

Material	Surface Finishing	Thickness of Coating	Application Environment
Carbon Steel	Electro - G alvanized	$\geq 12\mu\text{m}$	Indoor
	Hot Dip Galvanized	$60\mu\text{m}-100\mu\text{m}$	Indoor, Outdoor
	Powder coating	$60\mu\text{m}-100\mu\text{m}$	Indoor. need colors
SS304(L)	Pickled & Passivated	N/A	Indoor, Outdoor
SS316(I)	Pickled & Passivated	N/A	High corrosion occasions

### DIMENSIONS

Height (H): 25mm, 50mm, 75mm, 100mm, 125mm, 150mm

Width (W): 500mm - 1000mm

Length (L): 300mm - 3000mm

Diameter (D): 3.5mm - 6.0mm

### APPLICATION

Bends, Risers, T Junctions, Crosses and Reducers can be made from wire mesh cable tray.

Straight sections can be used flexibly in various projects.

Trays can be supported by 1.5 m brackets (maximum span - 2.5m).

Wire mesh cable tray systems can be safely used in places where the temperature ranges between  $-40^{\circ}\text{C}$  and  $+150^{\circ}\text{C}$  without any change to their characteristics.



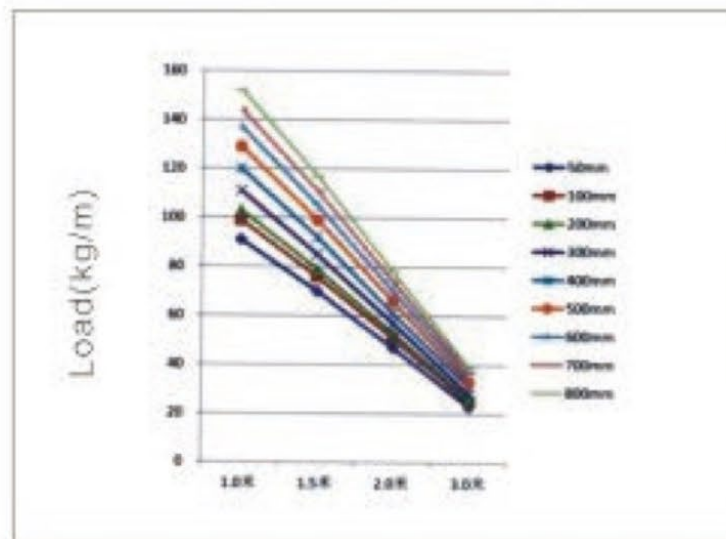
**TECHNICAL PARAMETERS**

Safe Working Load (SWL)

- Test configuration is in compliance with standard IEC:61537-2007.
- Right configuration shows the safe working load data.
- MAX load data is 2-3 times the safe work loading data.

**Rated Load(kg/m)**

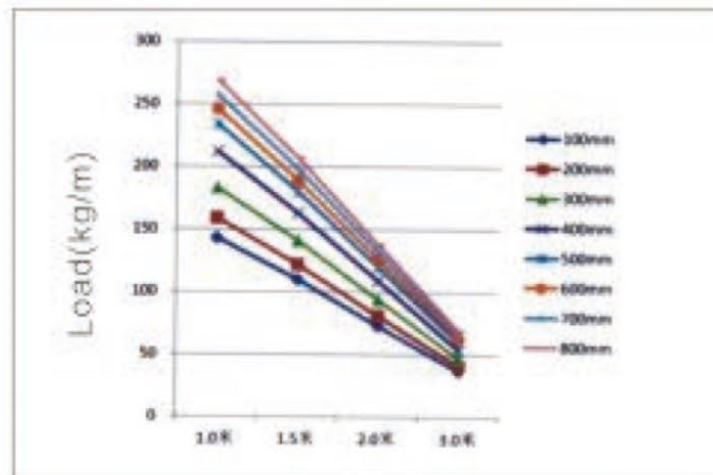
LCM5 wire diameter=5mm		Safe work loading			
		Span			
Height(mm)	Width(mm)	1.0m	1.5m	2.0m	3.0m
50	50mm	91	70	47	23
50	100mm	93	76	51	25
50	200mm	103	79	53	26
50	300mm	111	85	57	28
50	400mm	120	92	61	31
50	500mm	129	99	66	33
50	600mm	137	105	70	35



Span

**Rated Load(kg/m)**

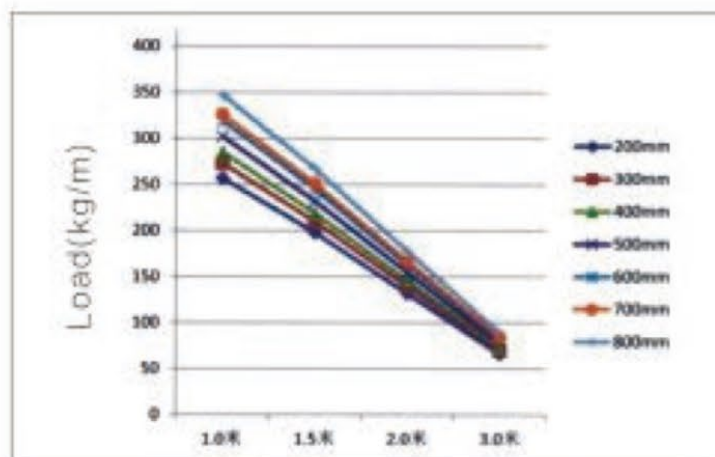
LCM10 wire diameter=5mm		Safe work loading			
		Span			
Height(mm)	Width(mm)	1.0m	1.5m	2.0m	3.0m
100	100mm	143	110	73	37
100	200mm	159	122	81	41
100	300mm	163	141	94	47
100	400mm	212	163	109	54
100	500mm	234	180	120	60
100	600mm	246	189	126	63



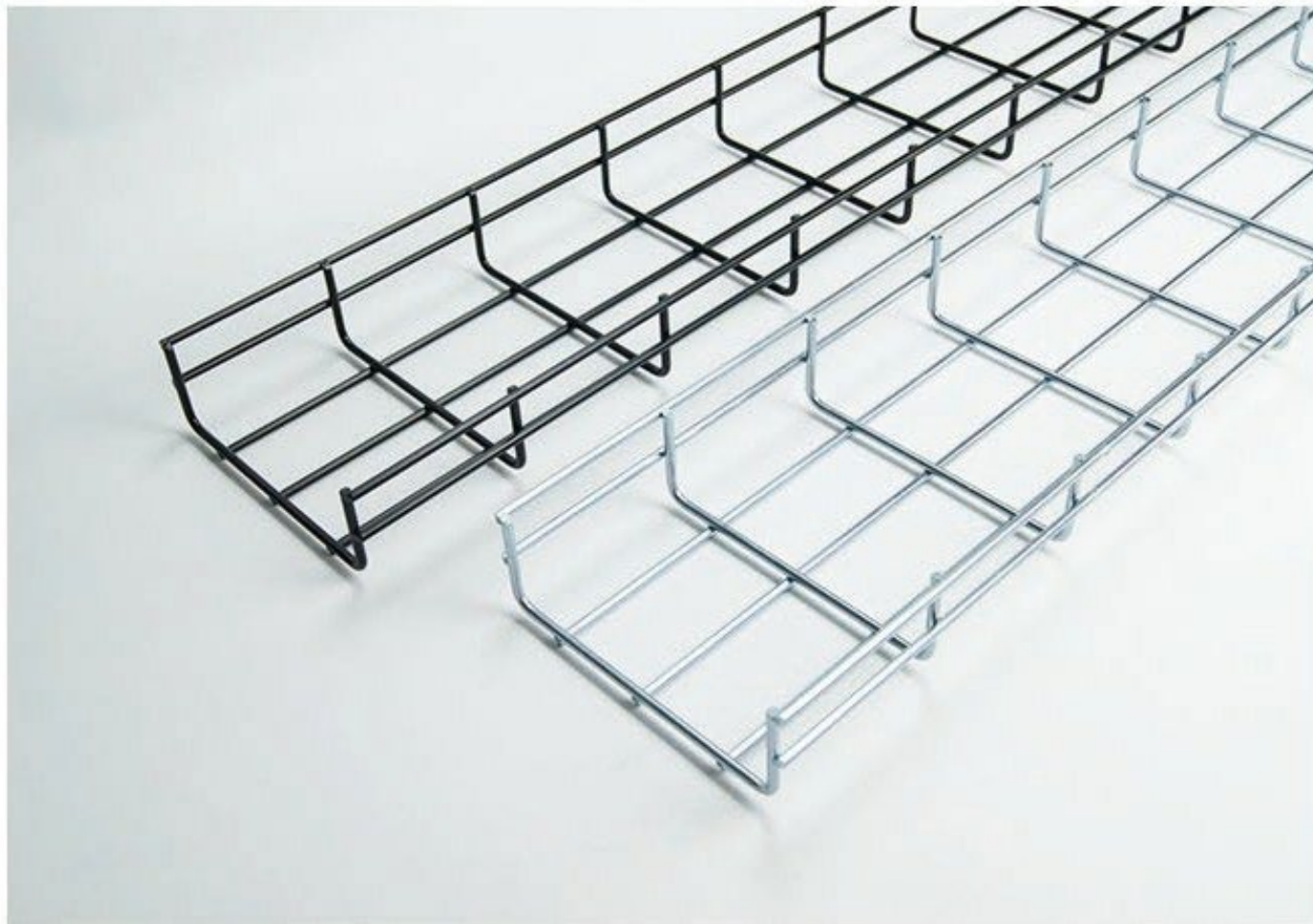
Span

**Rated Load(kg/m)**

LCM15 wire diameter=5mm		Safe work loading			
		Span			
Height(mm)	Width(mm)	1.0m	1.5m	2.0m	3.0m
150	500mm	302	232	155	77
150	600mm	319	245	163	82



Span



### STANDARD SIZES

LCM5 Wire Mesh Cable Tray

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM550	50	50	3000	5	
LCM5100	50	100	3000	5	
LCM5150	50	150	3000	5	
LCM5200	50	200	3000	5	
LCM5300	50	300	3000	5	
LCM5400	50	400	3000	5	
LCM5450	50	450	3000	5	
LCM5500	50	500	3000	5	
LCM5600	50	600	3000	5	

LCM10 Wire Mesh Cable Tray

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM10100	100	100	3000	5	
LCM10150	100	150	3000	5	
LCM10200	100	200	3000	5	
LCM10300	100	300	3000	5	
LCM10400	100	400	3000	5	
LCM10450	100	450	3000	5	
LCM10500	100	500	3000	5	
LCM10600	100	600	3000	5	

LMC15 Wire Mesh Cable Tray

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM15450	150	450	3000	5	
LCM15500	150	500	3000	5	
LCM15600	150	600	3000	5	



## CONNECTORS

### LC-KK34

#### PART: COUPLER

#### DESCRIPTION:

**Application:** (1) Connect 2 straight sections or wire mesh cable tray  
(2) Make bends

**Fit for:** Diameter or wire from 4.0mm to 6.0mm

**Includes:** KK34-top x 1, KK34-bottom x 1, M6x20bolt x 1, M6 Nut x 1

**Features:** (1) Strong connection  
(2) Popular



### LC-SPL

#### PART: FAST FIX SPLICER

#### DESCRIPTION:

**Application:** Connect 2 straight sections of tray.

**Fit for:** Diameter of wire from 4.5mm to 5,5mm

**Includes:** Unit x 1

**Features:** (1) Boltless:  
(2) Fast installation



### LC-SBR

#### PART: STRENGTHENING BAR

#### DESCRIPTION:

**Application:** Connect 2 straight sections of wire mesh cable tray.

**Fit for:** Diameter of wire from 3.5mm to 6.0mm

**Includes:** Bar x 1, KK34\_top x 3, M6 x 20bolt x 3, M6 Nut x 3

**Features:** Offers very strong connection



LC-CSB

**PART: CORNER STRENGTH BAR**

**DESCRIPTION:**

**Application:** Make T and Cross connectors.

**Fit for:** Diameter of wire from 3.5mm to 6.0mm

**Includes:** Bar x 1, KK34-top x 4, M6 x 20bolt x 4, M6 Nut x 4

**Features:** (1) Very Strong Connection;  
(2) Easy to install



LC-FLK

**PART: FASTLOCK**

**DESCRIPTION**

**Application:** Make bends

**Fit for:** Diameter of wire from 4.0mm to 6.0mm

**Include:** Unit x 1

**Feature:** {1} Boltless  
{2} Fast installation



LC-EHB-A

**PART: COPPER EARTHING BOLT**

**DESCRIPTION:**

**Application:** Useful for earth trays.

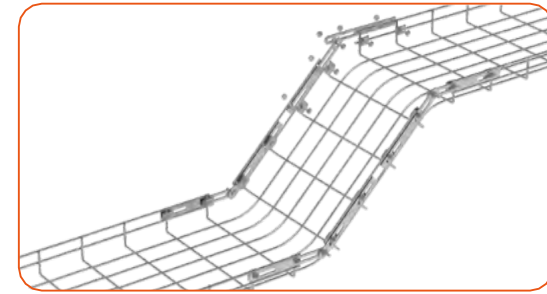
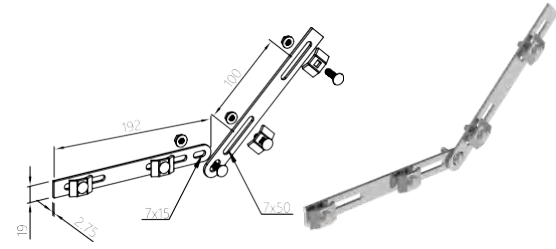
**Fit for:** Diameter from 3.5mm to 5.0mm

**Includes:** Unit x:

**Features:** Better earthing



**LC-AJC**  
**PART: ADJUSTABLE CONNECTOR**  
**DESCRIPTION:**  
**Application:** Connecting risers.  
**Fit for:** Diameter of wire from 3.5mm to 6.0mm.  
**Includes:** Bar x2, KK34-top x4, M6x20 bolt x5, M6 nut x5.



## HANGERS

**LC-OBR100, LC-OBR150, LC-OBR200, LC-OBR300, LC-OBR400, LC-OBR450, LC-OBR500, LC-OBR600**  
**DESCRIPTION:**  
**Application:** (1) Hang trays under ceiling;  
 (2) Install trays on floor  
**Fit for:** Diameter of wire from 3.5mm to 6.0mm  
**Includes:** Unit x 1 (Rods and nuts are optional)  
**Feature:** Most popular installation way



## HANGERS AND BRACKETS

**LC-CRP100, LC-CRP150, LC-CRP200, LC-CRP300**  
**PART: TWALL BRACKET**  
**DESCRIPTION:**  
**Application:** Wall mount of wire mesh cable tray  
**Fit for:** Wire diameter from 3.5mm to 6.0mm, width from 100mm to 300mm wire mesh cable trays.  
**Includes:** TWH x1, kk34-topx 2, M6x20boltx 2, M6Nutx2





## WALL BRACKETS

LC-LWB100, LC-LWB150,  
LC-LWB200, LC-LWB300  
PART: L-TYPE WALL BRACKET

DESCRIPTION

**Application:** Support trays on wall

**Fit for:** Diameter from 3.5mm to 6.0mm, Width from 100mm to 300mm

**Includes:** Unit x 1 (bolt and nut optional)

**Feature:** Saves space



LC-CWB150, LC-CWB200, LC-CWB300, LC-CWB400, LC-CWB450, LC-CWB500,  
LC-CWB600

PART: CANTILEVER WALL BRACKET

DESCRIPTION

**Application:** Support trays on wall

**Fit for:** Diameter from 3.5mm to 6.0mm, Width from 300mm to 900mm.

**Includes:** Unit x 1 (bolt and nut optional)

**Feature:** Strong support for trays of big width





**LC-SPB**

**PART: SPIDER BRACKET**

**DESCRIPTION**

**Application:** 1. Support trays on side wall.  
2. Support trays on floor

**Fit for:** Diameter from 3.5mm to 6.0mm, Width from 50mm to 200 mm.

**Includes:** Unit x 1

**Feature:** Easy installation and low cost



## FLOOR BRACKETS

**LC-EFS100, LC-EFS150, LC-EFS200,  
LC-EFS300, LC-EFS400, LC-EFS450,  
LC-EFS500, LC-EFS600**

**PART: CABINET TOP STAND**

**DESCRIPTION**

**Application:** Floor or cabinet top

**Fit for:** Tray from 100mm to 600 mm.

**Includes:** Bar x 1, foot x2, a set of bolt and nut

**Feature:** Easy installation



**LC-100FSD**  
**PART: FLOOR STAND**  
**DESCRIPTION**

**Application:** Support trays on floor or top of cabinet

**Fit for:** Width $\geq$ 100mm trays.

**Includes:** Unit x 1

**Feature** installation and tow cost



## OTHER ACCESSORIES

**LC-CGD**  
**PART: CABLE GUIDER**  
**DESCRIPTION**

**Application:** Organize output cables from trays  
**Fit for:** Diameter from 3.5mm to 6.0mm; trays with width  $\geq$  150mm.  
**Includes:** Unit x 1  
**Feature:** Keep the cables in the right angles



**LC-DVR50-1000, LC-DVR100-1000, LC-DVR150-1000**

**PART: DIVIDER 50 ~ 150**  
**DESCRIPTION**

**Application:** Divide power cables and data cables.  
**Fit for:** Diameter from 3.5mm to 6.01mm, all width of trays.  
Divider 50: for 50mm height tray  
Divider 100: for 100mm height tray  
Divider 150: for 150mm height tray  
**Includes:** Unit x 1  
**Feature:** Easy installation



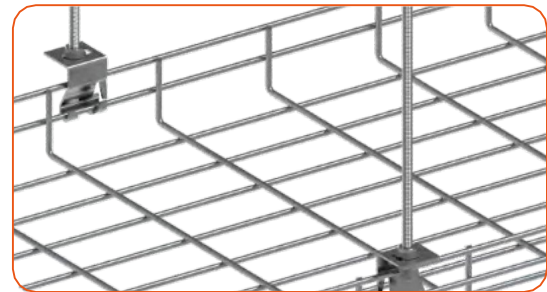
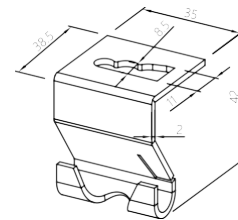


**LC-CAP-PT**  
**PART: RUBBER CAP**  
**DESCRIPTION**  
**Application:** Cap for cut wire  
**Fit for:** Diameter from 4.0mm to 6.0mm.  
**Includes:** Unit x 1  
**Feature:** Safe to use

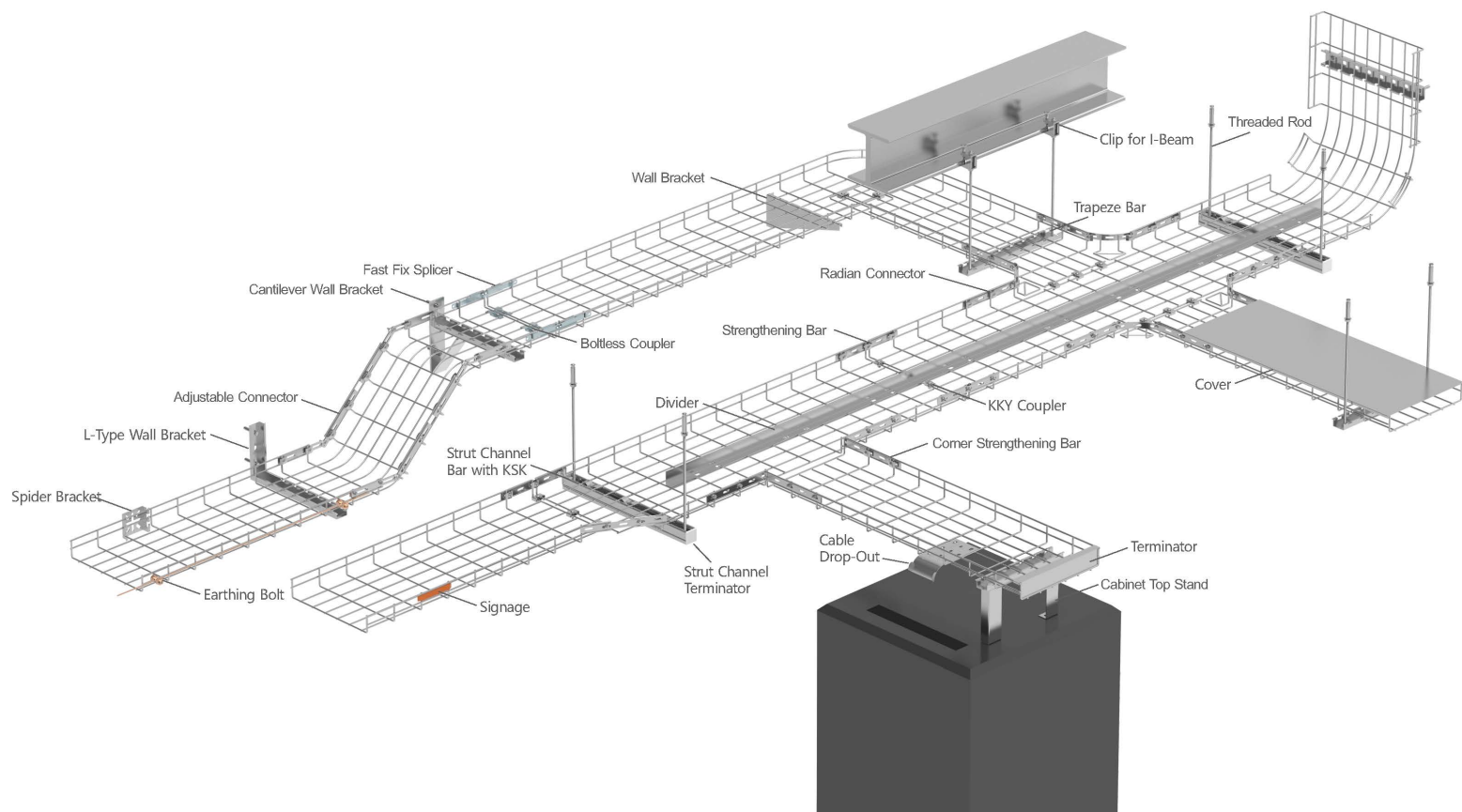


## HANGING HOOK



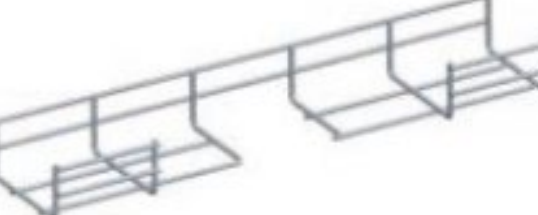

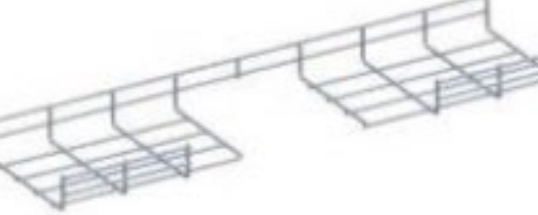

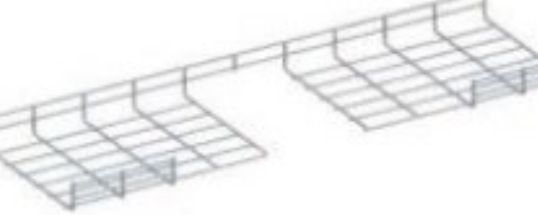

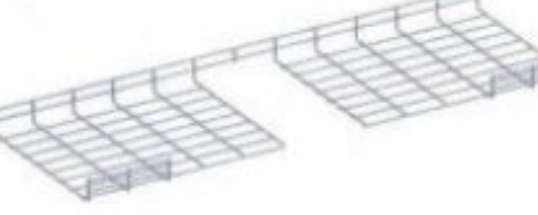

**LC-HKS**  
**PART: CEILING BRACKET**  
**DESCRIPTION:**  
**Application:** Installing hanging trays.  
**Fit for:** Diameter of wire from 3.5mm to 6.0mm, the width of tray should be  $\leq 200$ mm.  
**Includes:** Bar  $\times 2$ , KK34-top  $\times 4$ , M6 $\times 20$  bolt  $\times 5$ , M6 nut  $\times 5$ .

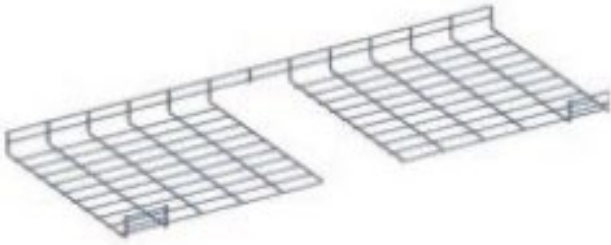
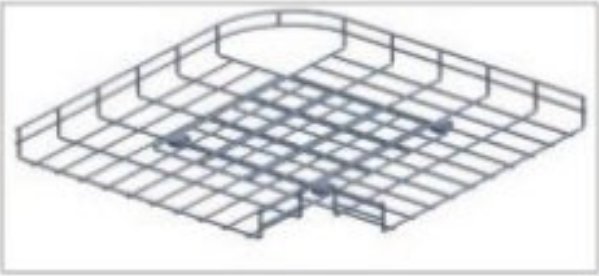

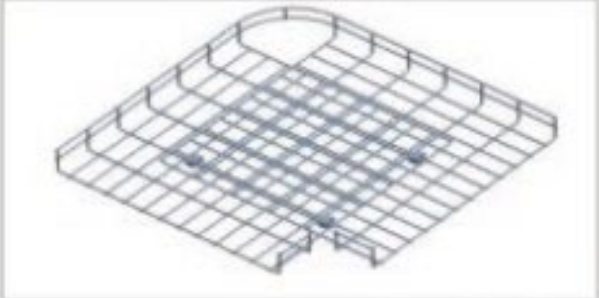
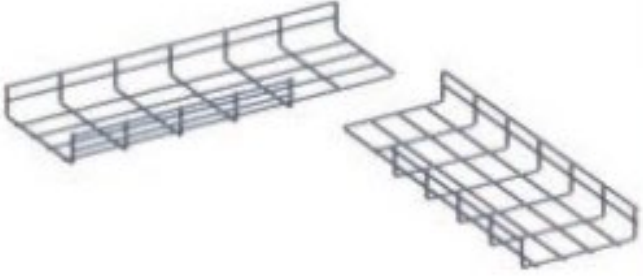

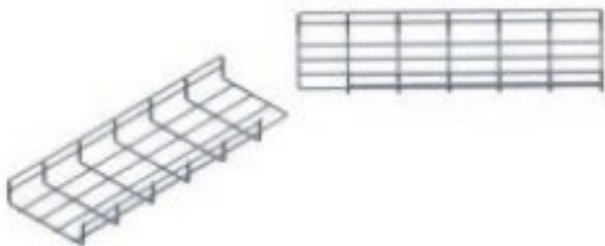


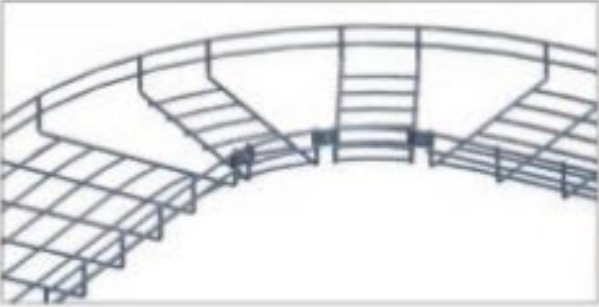


## WIRE MESH CABLE TRAY INSTALLATION

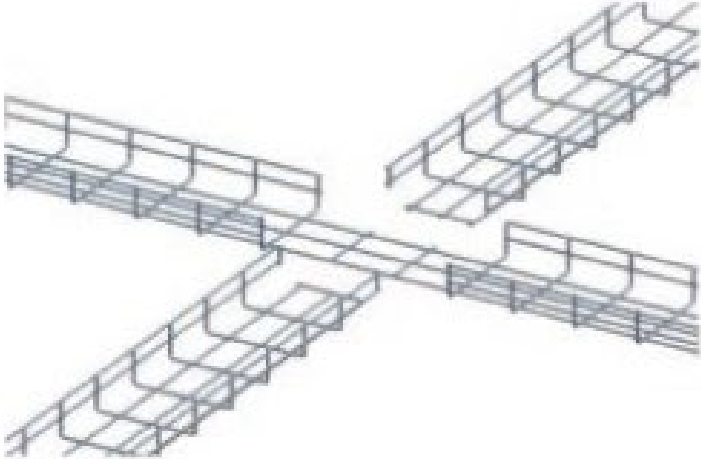
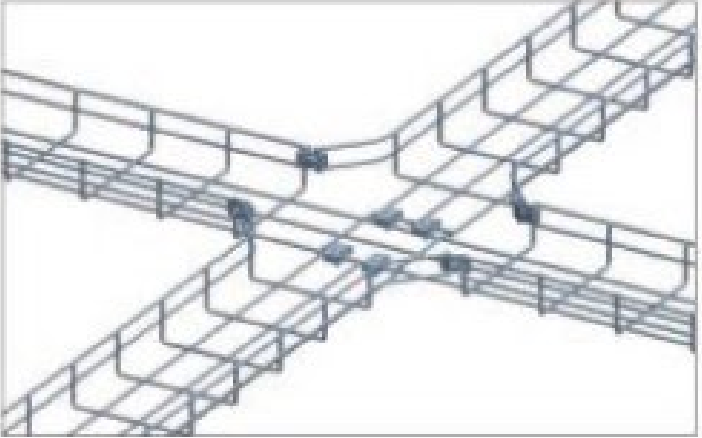
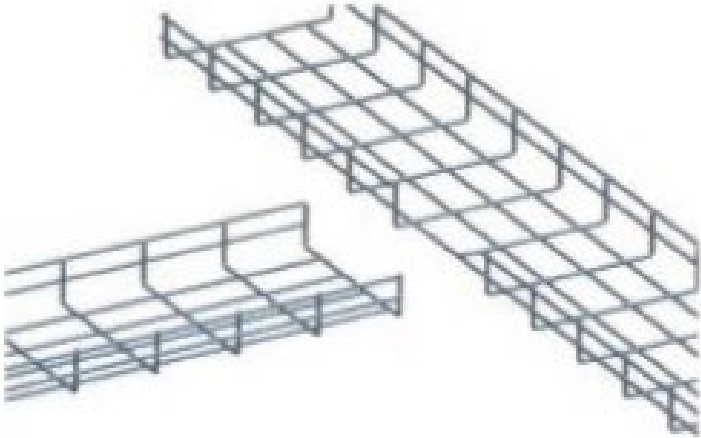

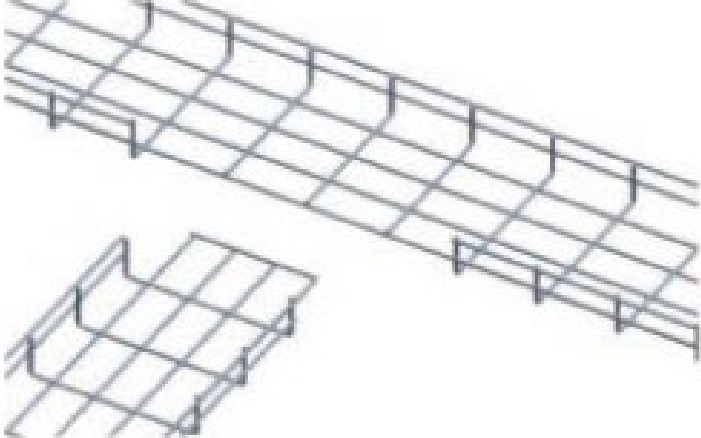
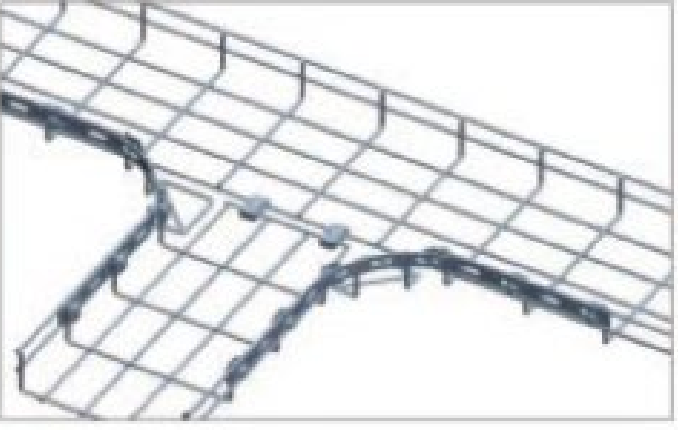
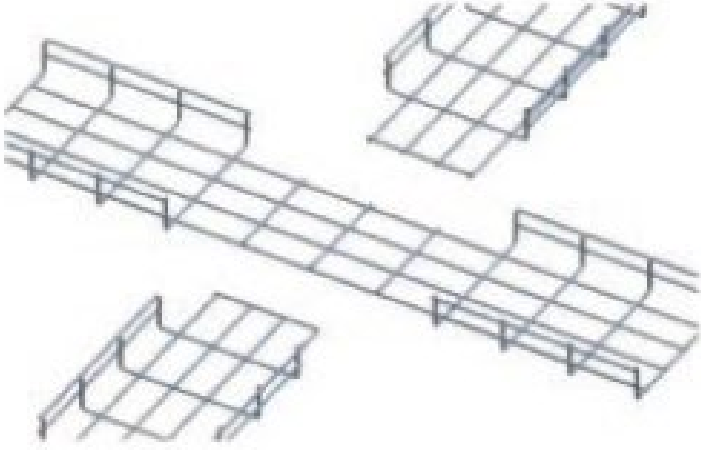
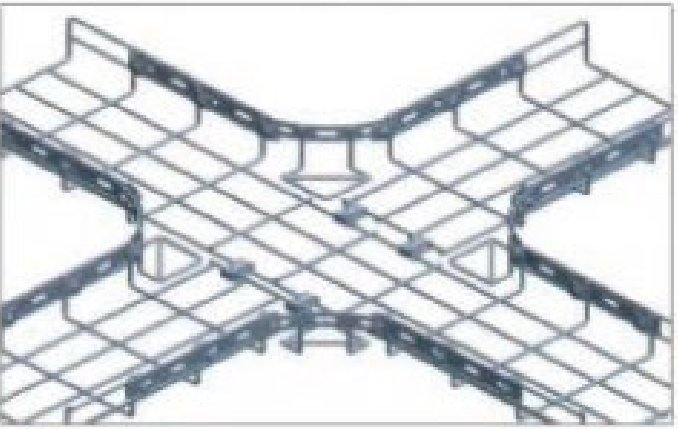


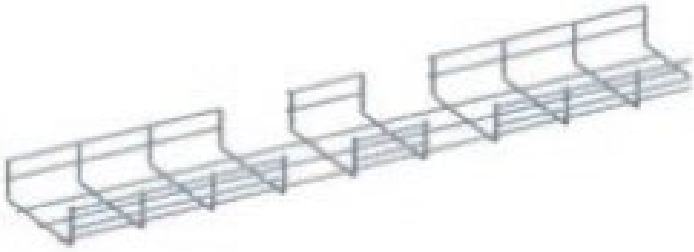
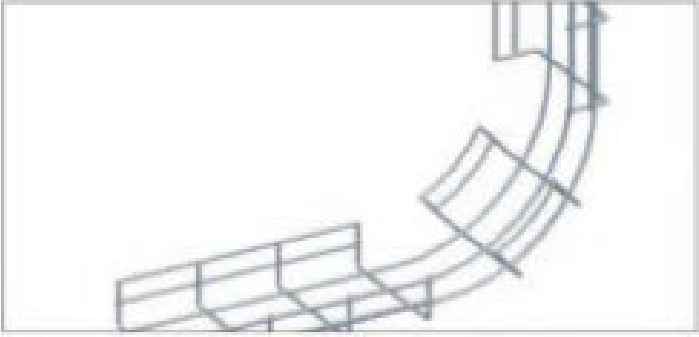
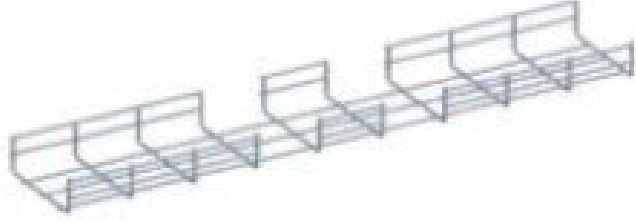
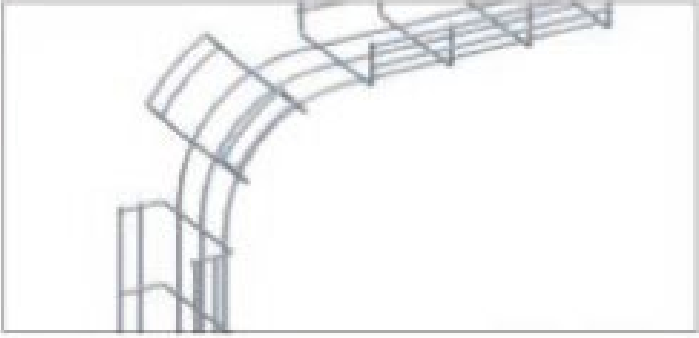

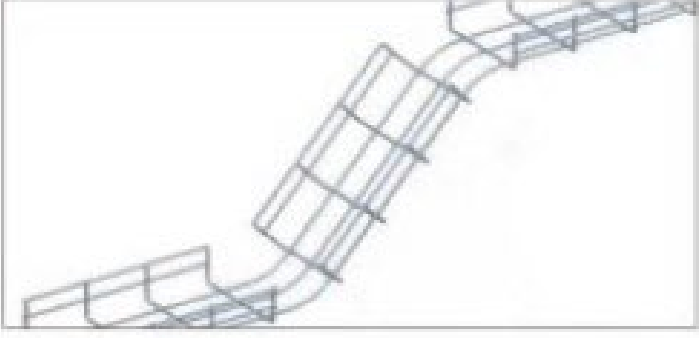
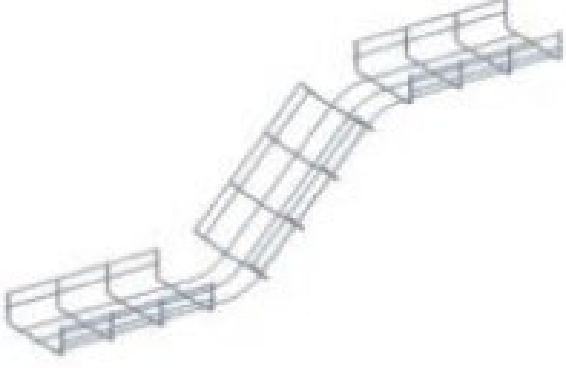
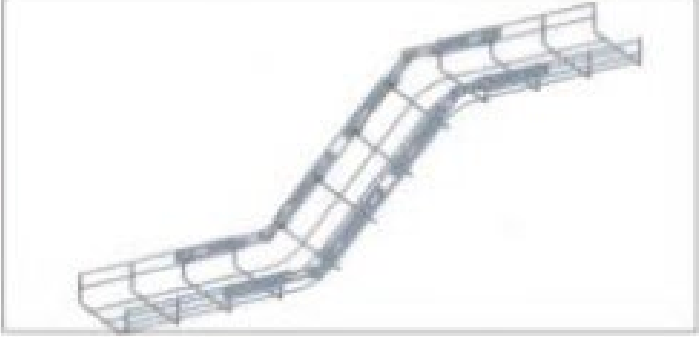
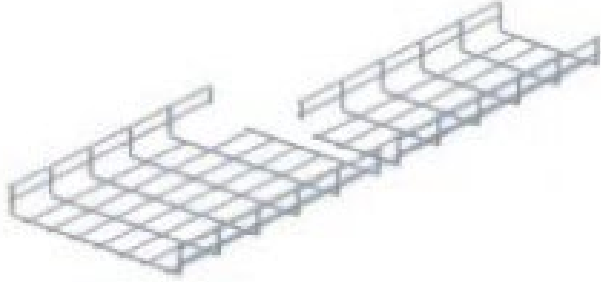
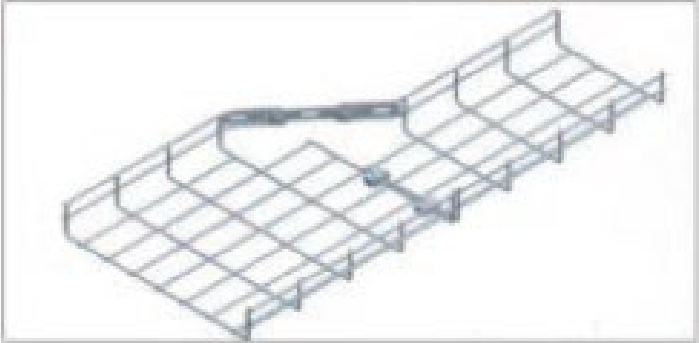
ASSEMBLY GUIDE

SIZE	CUT	BEND
50mm		
100mm 150mm		
200mm		
300mm		
400mm 450mm		

SIZE	CUT	BEND
500mm		
600mm		
T Connector		
Angle joint		
90° Radian bend		

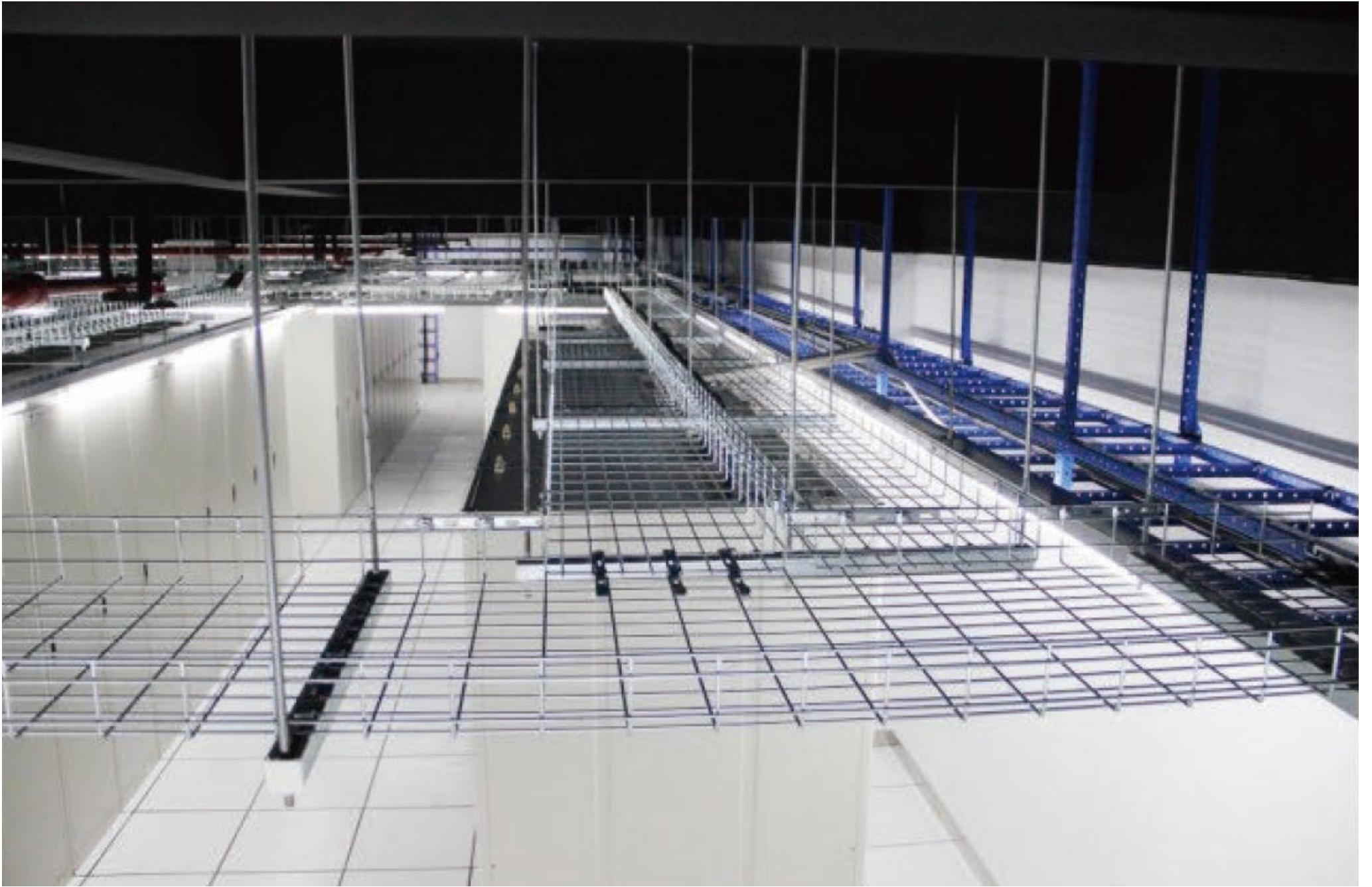


WIDTH	CUT	BEND
Cross joint		
T Connector		
T Connector		
Cross joint		

WIDTH	CUT	BEND
Internal riser		
External riser		
Zigzag		
Zigzag with bar		
Reducer		



# PROJECT CASES





## Welding Strength Tests

### Description:

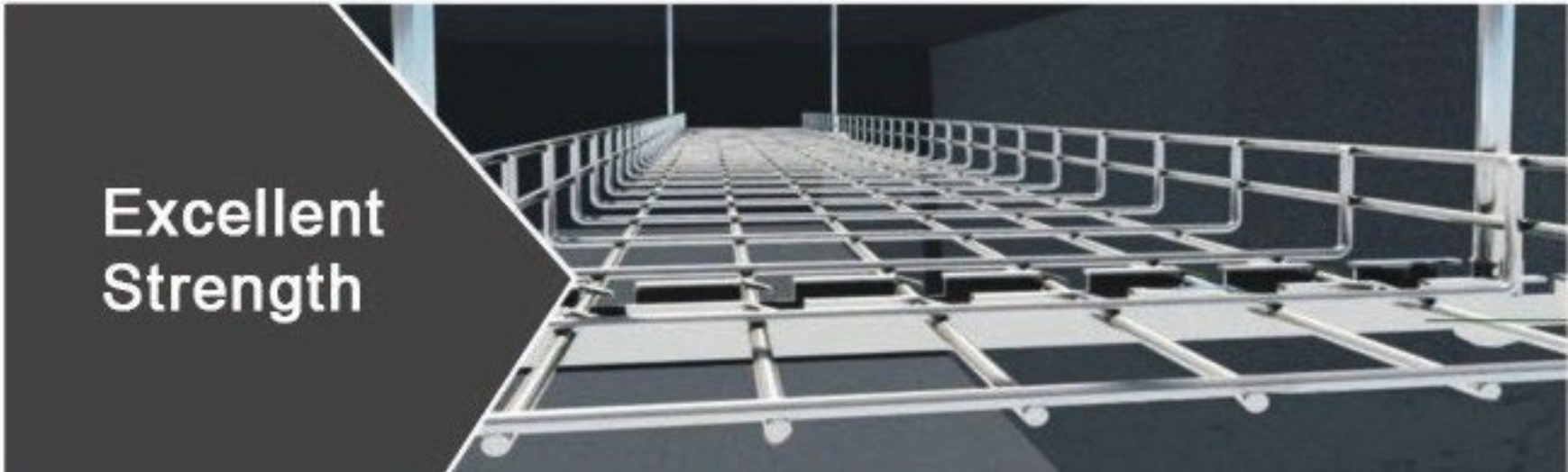
Tests welded segment that has been cut off from tested wire mesh cable trays with hydraulic press.

Test Condition:  $23 \pm 2^{\circ}\text{C}$ ,  $50 \pm 5\% \text{RH}$ ,

Hydraulic press speed: 5mm/min.

Result: Minimum breaking force = 1166N.

Excellent  
Strength



## SWL (Safe Work Loading) Tests

### Test standard

BS EN 61537; 2007 Cable Management Clause 10.4



## Thickness Of Finishing

Electro zinc: Thickness  $\geq 12 \mu\text{m}$

HOG: Thickness  $\geq 60 \mu\text{m}$  Powder

coating  $\geq$  Thickness  $60 \mu\text{m}$

