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 - Galvanized	>=12ìm	Indoor
	Hot Dip Galvanized	60ìm-100ìm	Indoor, Outdoor
	Powder coating	60ìm-100ìm	Indoor, need colors
SS304(L)	Pickled & Passivated	N/A	Indoor, Outdoor
SS316l(l)	Pickled & Passivated	N/A	High corrosion occasions

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DIMENSIONS

Height (H): 25mm,50m1n,75mm,100mm,125mm,150mm
Width (W): 501nm - 1 000n1m
Length (L): 300mm - 3000mm
Diameter (D): 3.5mm - 6.0m1n

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'C and +150'C without any change to their characteristics.

SAFE WORKING LOAD

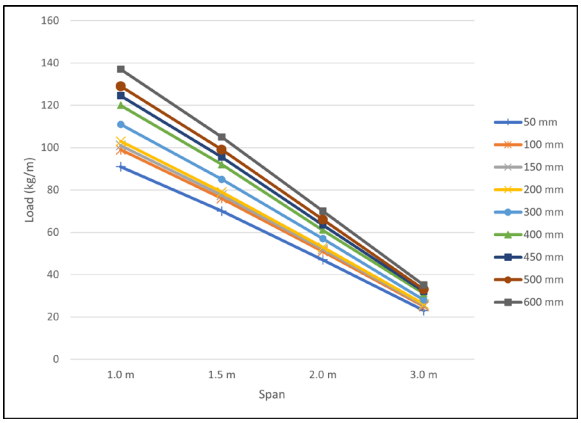
TECHNICAL PARAMETERS

Safe Working Load (SWL)

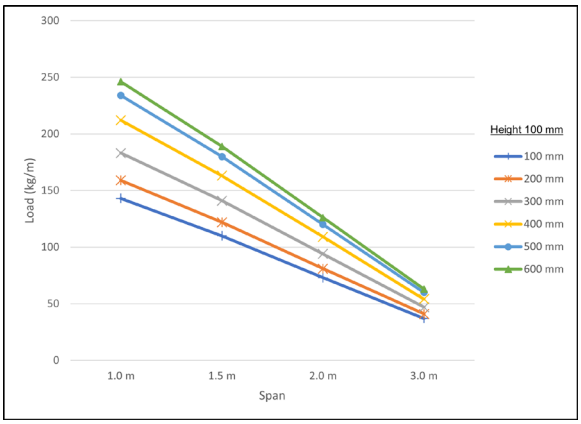
- Test configuration is in compliance with standardIEC:61537-2007.
- Right configuration shows the safe working load data.
- MAX load data is 2-3 times the safe work loading data.

Rated Load (kg/m)

LCM5 wire diameter = 5 mm		Safe work loading Span			
Height (mm)	Width (mm)	1.0 m	1.5 m	2.0 m	3.0 m
50	50 mm	91	70	47	23
50	100 mm	99	76	51	25
50	150 mm	101	78	52	26
50	200 mm	103	79	53	26
50	300 mm	111	85	57	28
50	400 mm	120	92	61	31
50	450 mm	125	96	64	32
50	500 mm	129	99	66	33
50	600 mm	137	105	70	35



LCM10 wire diameter = 5 mm		Safe work loading Span			
Height (mm)	Width (mm)	1.0 m	1.5 m	2.0 m	3.0 m
100	100 mm	143	110	73	37
100	200 mm	159	122	81	41
100	300 mm	183	141	94	47
100	400 mm	212	163	109	54
100	500 mm	234	180	120	60
100	600 mm	246	189	126	63



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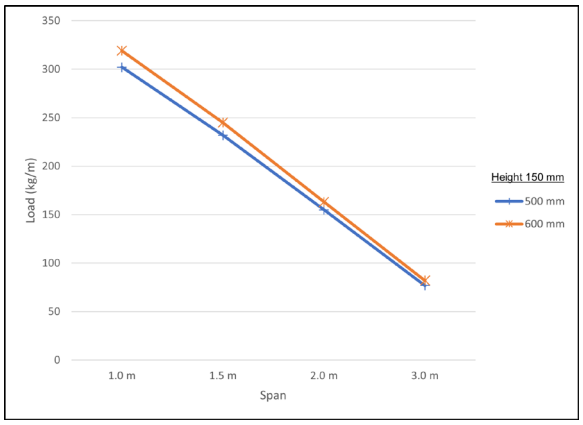
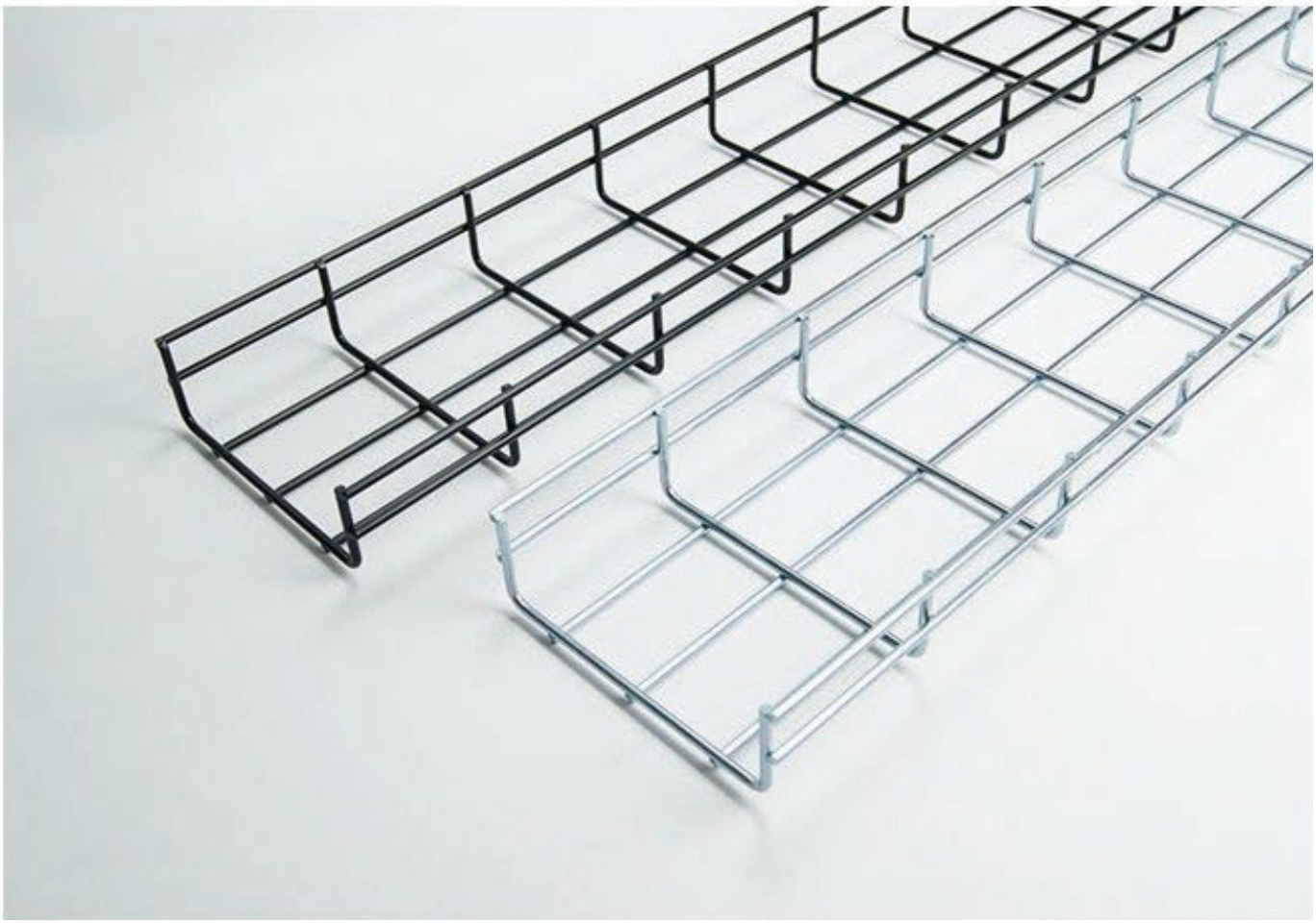
Rated Load (kg/m)

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





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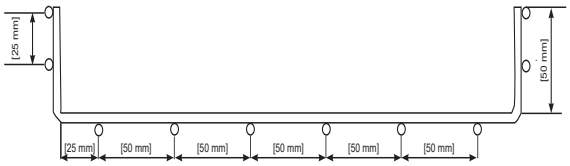
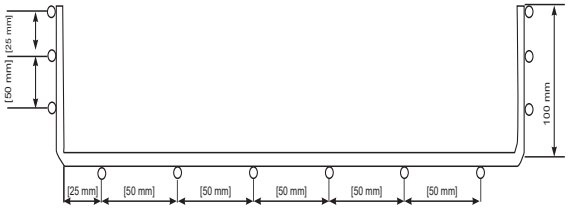
STANDARD SIZES

LCM5 Wire Mesh Cable Tray - Nickel Plated

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM550-5FT	50	50	1500	5	
LCM5100-5FT	50	100	1500	5	
LCM5150-5FT	50	150	1500	5	
LCM5200-5FT	50	200	1500	5	
LCM5300-5FT	50	300	1500	5	
LCM5400-5FT	50	400	1500	5	
LCM5450-5FT	50	450	1500	5	
LCM5500-5FT	50	500	1500	5	
LCM5600-5FT	50	600	1500	5	
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 - Nickel Plated

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM10100-5FT	100	100	1500	5	
LCM10150-5FT	100	150	1500	5	
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	

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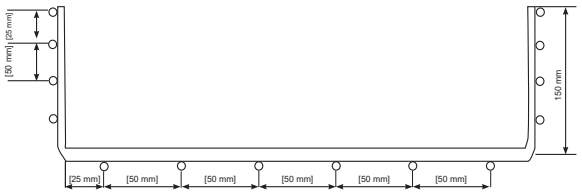
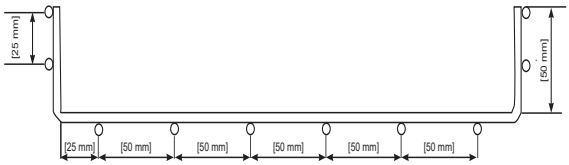
STANDARD SIZES

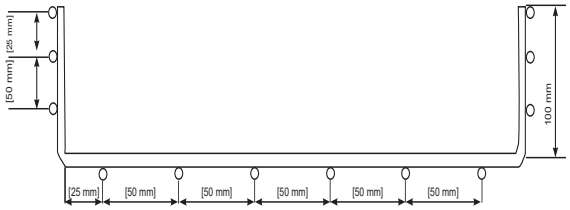
LCM15 Wire Mesh Cable Tray - Nickel Plated

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	

LCM5 Wire Mesh Cable Tray - Black Powder Coat

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

LCM10 Wire Mesh Cable Tray - Black Powder Coat

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM10100-BLK	50	100	3000	5	
LCM10150-BLK	50	150	3000	5	
LCM10200-BLK	50	200	3000	5	
LCM10300-BLK	50	300	3000	5	
LCM10400-BLK	50	400	3000	5	
LCM10450-BLK	50	450	3000	5	
LCM10500-BLK	50	500	3000	5	
LCM10600-BLK	50	600	3000	5	

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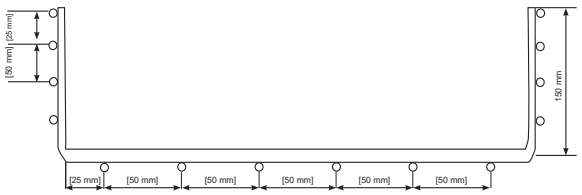
STANDARD SIZES

LCM15 Wire Mesh Cable Tray - Black Powder Coat

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
LCM15450-BLK	50	450	4500	5	
LCM15500-BLK	50	500	4500	5	
LCM15600-BLK	50	600	4500	5	



CONNECTORS

PART NO.: LC-KK34
DESCRIPTION: COUPLER
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, M6x20boltx 1, M6 Nutx 1
Features: (1) Strong connection
(2) Popular

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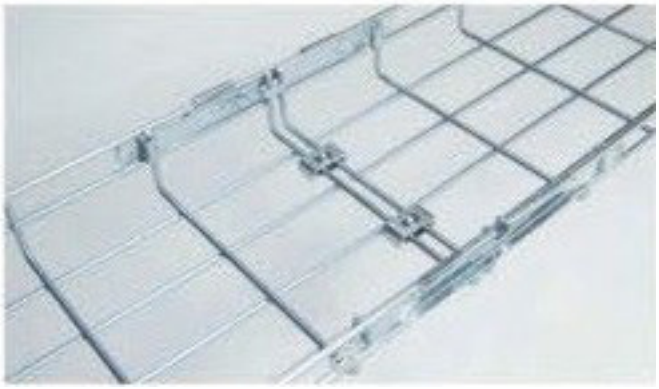
CONNECTORS

PART NO.: LC-SPL
DESCRIPTION: FAST FIX SPLICER
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



PART NO.: LC-SBR
DESCRIPTION: STRENGTHENING BAR
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

PART NO.: LC-CSB
DESCRIPTION: CORNER STRENGTH BAR
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

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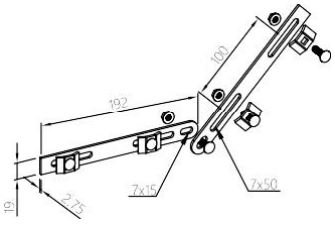
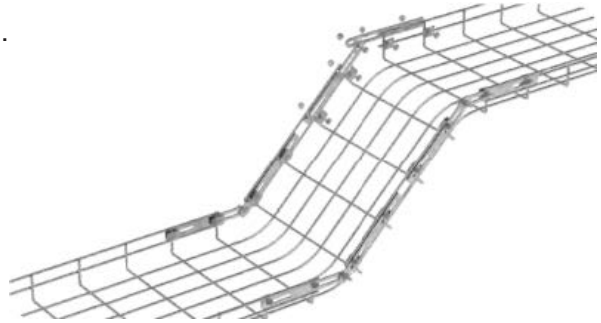
CONNECTORS

PART NO.: LC-FLK
DESCRIPTION: FASTLOCK
Application: Make bends
Fit for: Diameter of wire from 4.0mm to 6.0mm
Includes: Unit x 1
Features: (1) Boltless
(2)Fast installation

PART NO.: LC-EHB-A
DESCRIPTION: COPPER GROUNDING BOLT
Application: Useful for grounding trays.
Fit for: Diameter from 3.5mm to 5.0mm
Includes: Unit x
Features: Better grounding

PART NO.: LC-AJC
DESCRIPTION: ADJUSTABLE CONNECTOR
Application: Connecting risers.
Fit for: Diameter of wire from 3.5mm to 6.0mm.
Includes: Bar ×2, KK34-top ×4, M6×20 bolt ×5, M6 nut ×5.





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HANGERS

PART NO.: LC-OBR100, LC-OBR150, LC-OBR200, LC-OBR300, LC-OBR400
LC-OBR450, LC-OBR500, LC-OBR600
DESCRIPTION: CEILING HANGING BAR
Application: Make bends
Fit for: Diameter of wire from 4.0mm to 6.0mm
Includes: Unit x 1
Features: (1) Boltless
(2)Fast installation

HANGERS AND BRACKETS

PART NO.: LC-CRP100, LC-CRP150, LC-CRP200, LC-CRP300
DESCRIPTION: TWALL BRACKET
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 x 1, kk34-topx 2, M6x20boltx 2, M6Nut x 2

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WALL BRACKETS

PART NO.: LC-LWB100, LC-LWB150, LC-LWB200, LC-LWB300
DESCRIPTION: L-TYPE WALL BRACKET
Application: Support trays on wall
Fit for: Diameter from 3.5mm to 6.0mm, Width from 100mm lo 300mm
Includes: Unit x 1(bolt and nut optional)
Features: Saves space

PART NO.: LC-CWB150, LC-CWB200, LC-CWB300 LC-CWB400, LC-CWB450, LC-CWB500, LC-CWB600
DESCRIPTION: CANTILEVER WALL BRACKET
Application: Support trays on wall
Fit for: Diameter from 3.5mm to 6.0mm, Width from 300mm to 900mm.
Includes: Unit x1 (bolt and nut optional)
Features: Strong support for trays of big width

PART NO.: LC-SPB
DESCRIPTION: SPIDER BRACKET
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

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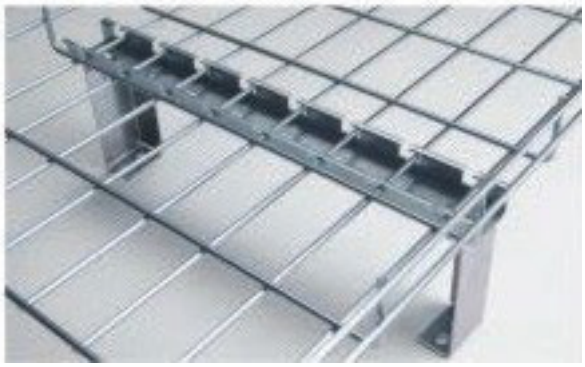
WALL BRACKETS

PART NO.: LC-EFS100, LC-EFS150, LC-EFS200, LC-EFS300, LC-EFS400, LC-EFS450, LC-EFS500, LC-EFS600
DESCRIPTION: CABINET TOP STAND
Application: Floor or cabinet top
Fit for: Tray from 100mm to 600 mm.
Includes: Bar x 1, foot x 2, a set of bolt and nut
Features: Easy installation



PART NO.: LC-100FSD
DESCRIPTION: FLOOR STAND
Application: Support trays on floor or top of cabinet
Fit for: Width>=100mm trays.
Includes: Unit x1
Features: Installation and low cost

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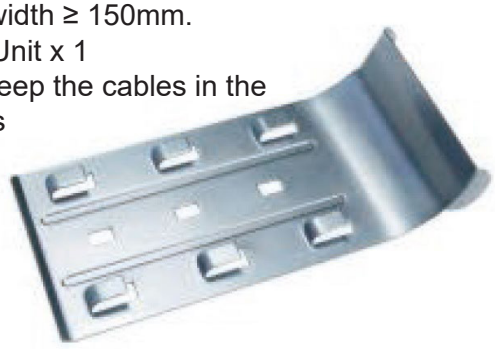
OTHER ACCESSORIES

PART NO.:LC-CGD
DESCRIPTION: CABLE GUIDER
Application: Organize output cables from trays
Fit for: Diameter from 3.5mm to 6.0mm;
trays with width ≥ 150mm.
Includes: Unit x 1
Feature: Keep the cables in the
right angles



PART NO.: LC-DVR50-1000, LC-DVR100-1000
LC-DVR150-1000
DESCRIPTION: DIVIDER 50 ~ 150
Application: Divide power cables and data cables.
Fit for: Diameter from 3.5mm to 6.01nm,
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

PART NO.: LC-CAP-PT
DESCRIPTION: RUBBER CAP
Application: Cap for cut wire
Fit for: Diameter from 4.0mm to 6.0mm.
Includes: Unit x 1
Feature: Safe to use

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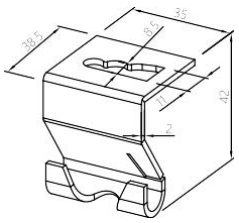
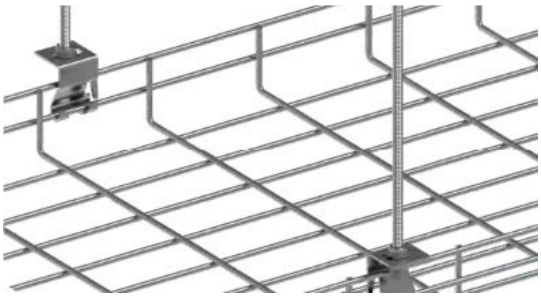
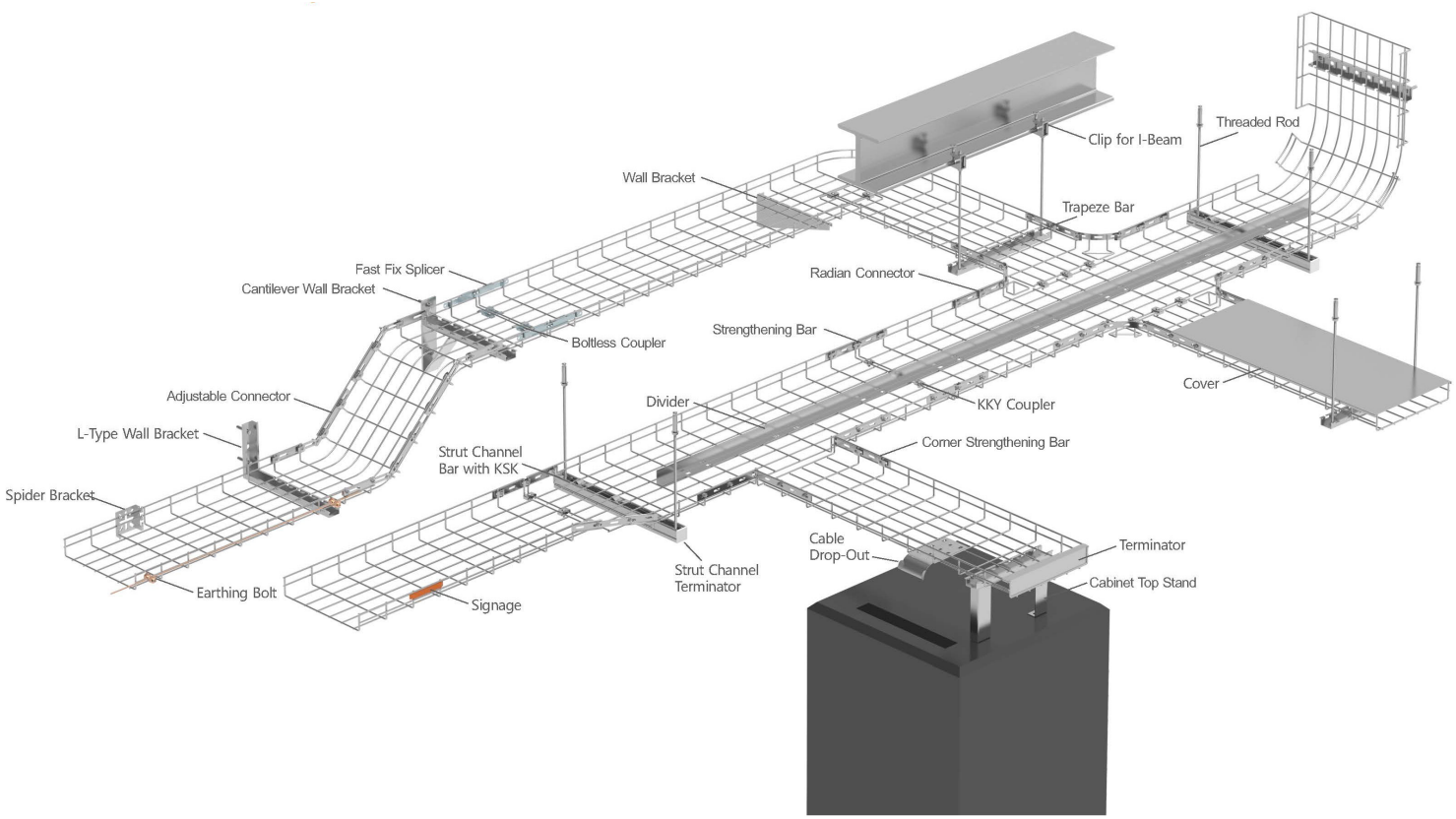
HANGING HOOK

PART NO.: LC-HKS
DESCRIPTION: CEILING BRACKET
Application: Installing hanging trays.
Fit for: Diameter of wire from 3.5mm to 6.0mm, the width of tray should be ≤ 200mm.
Includes: Bar ×2, KK34-top ×4, M6×20 bolt ×5, M6 nut ×5.





WIRE MESH CABLE TRAY INSTALLATION



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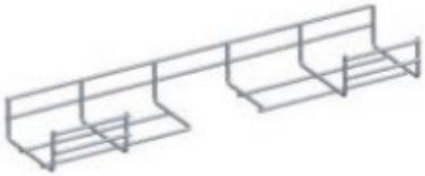
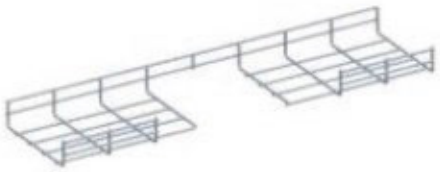
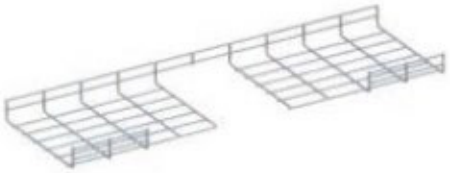
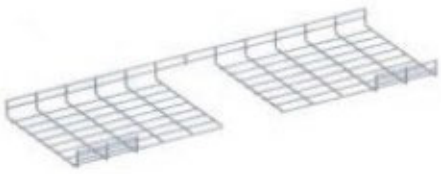
ASSEMBLY GUIDE

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

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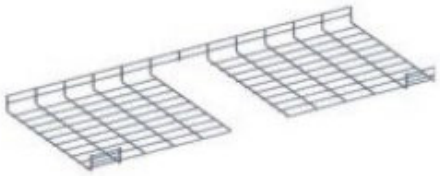
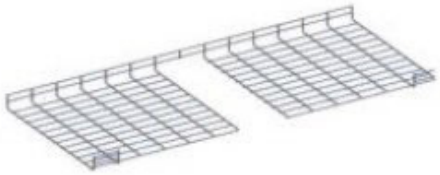
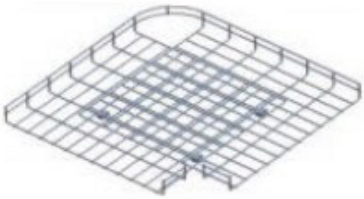
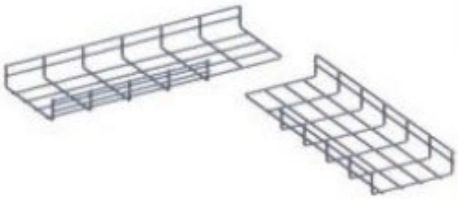
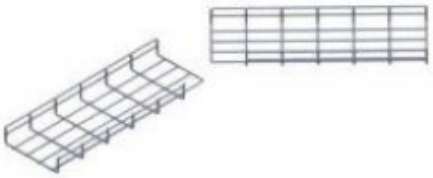
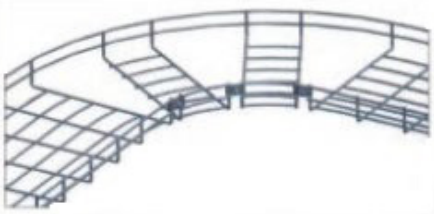
ASSEMBLY GUIDE

SIZE	CUT	BEND
500 mm		
600 mm		
L Connector		
Ankle Joint		
90° Radian Bend		

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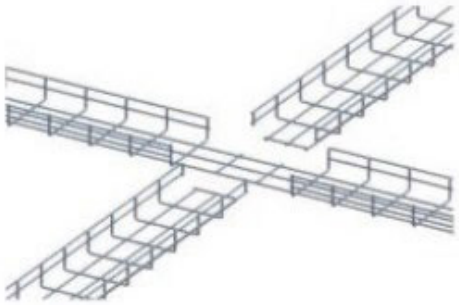
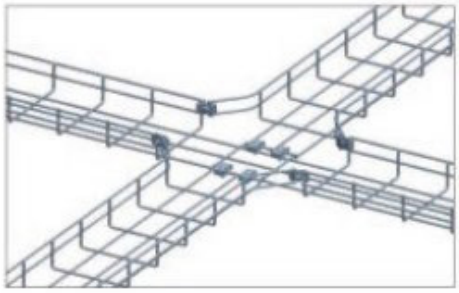
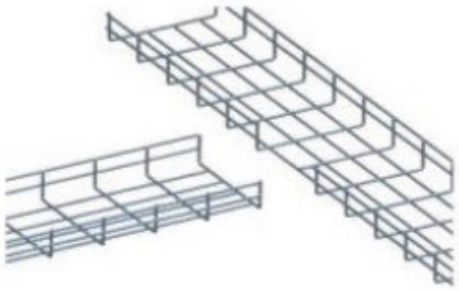
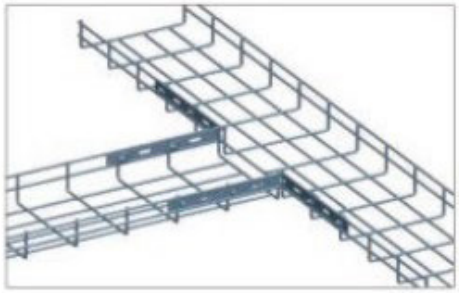
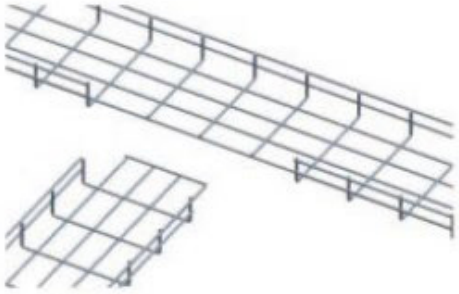
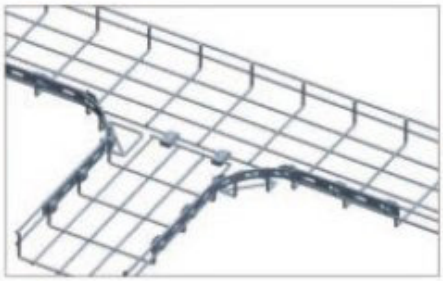
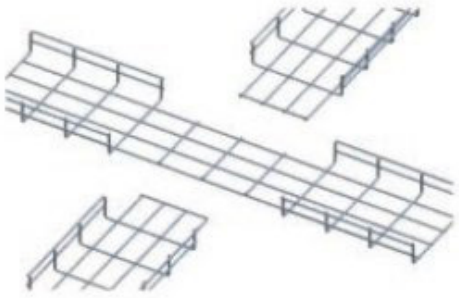
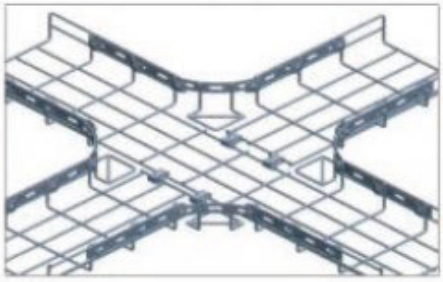
ASSEMBLY GUIDE

WIDTH	CUT	BEND
Cross Joint		
T Connector		
T Connector		
Cross Joint		

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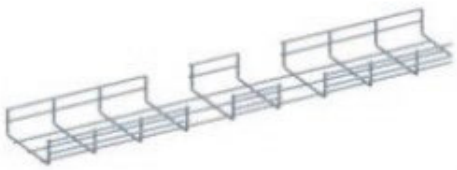
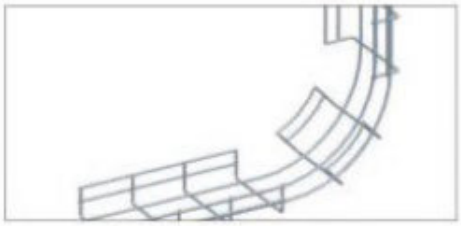
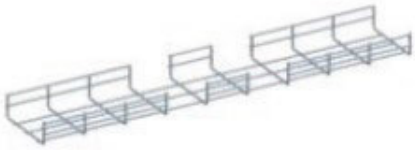
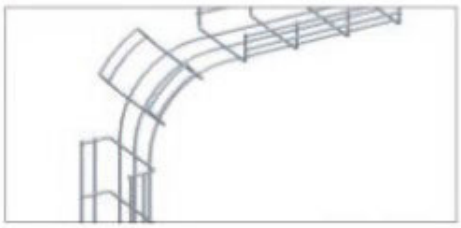
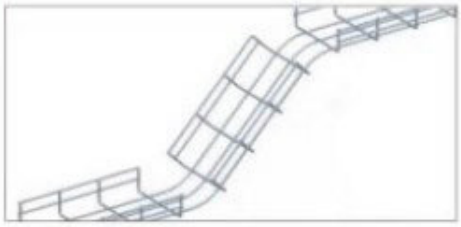
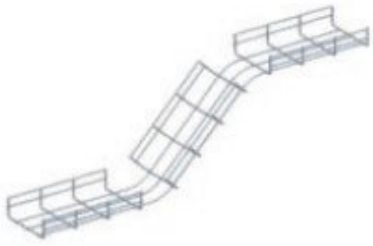
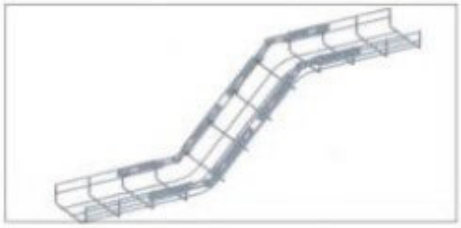
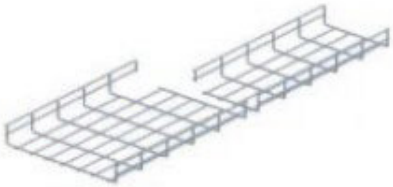
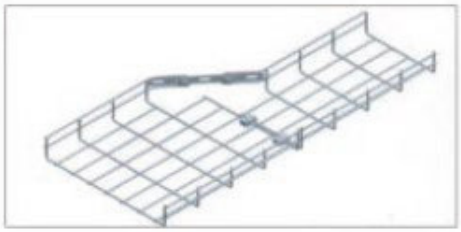
ASSEMBLY GUIDE

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

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PROJECT CASES

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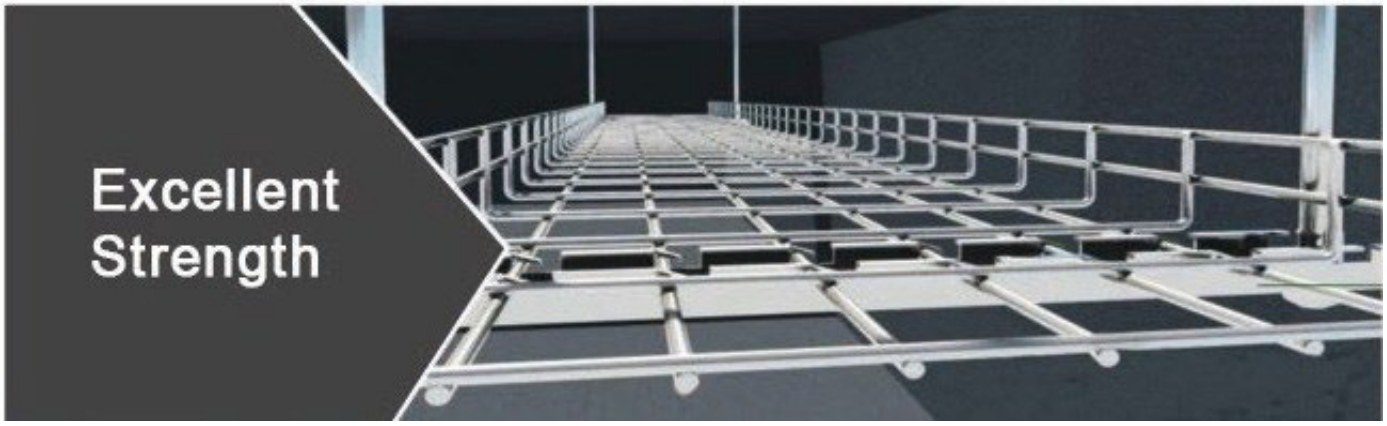
QUALITY CONTROL

Welding Strength Tests

Description: Tests welded segment that has been cut off from tested wire mesh cable trays with hydraulic press.
Test Condition: 23 ±2”C ,50 ±5%RH
Hydraulic press speed: 5mm/min
Result: Minimum breaking force = 1166N.

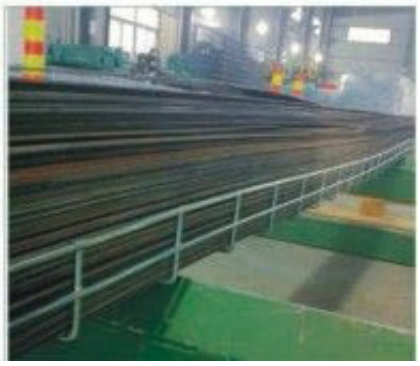


SWL (Safe Work Loading)

Tests Test standard BS EN 61537; 2007 Cable Management Clause 10.4

Thickness Of Finishing

Electro zinc: Thickness ≥12μ m
HOG: Thickness ≥ 60 μ m
Powder coating ≥ Thickness 60 μ m



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