



## 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 - Galvanized	$\geq 12\mu\text{m}$	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(L)	Pickled & Passivated	N/A	High corrosion occasions

## DIMENSIONS

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

Width (W): 50mm - 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°C and +150°C without any change to their characteristics.

## SAFE WORKING LOAD

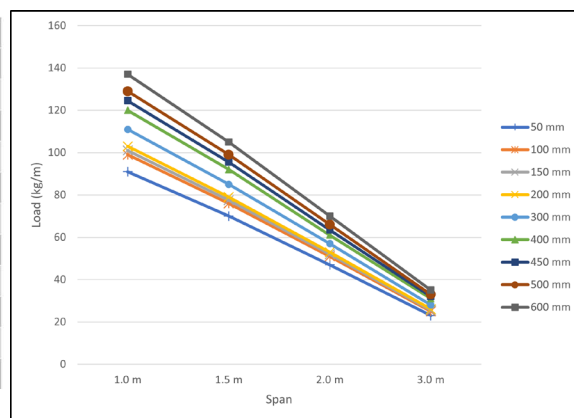
## TECHNICAL PARAMETERS

Safe Working Load (SWL)

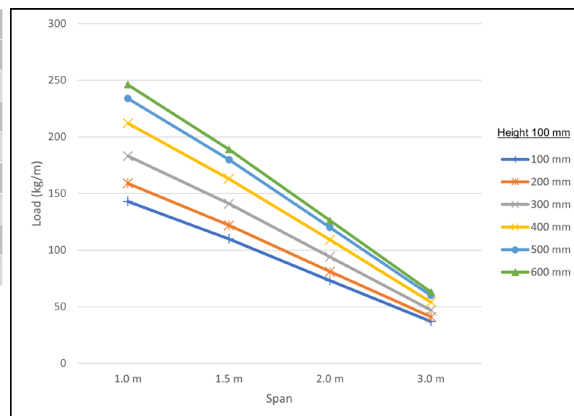
- Test configuration is in compliance with standard IEC:61537-2007.
- Right configuration shows the safe working load data.
- MAX load data is 2-3 times the safe work loading data.

## Rated Load (kg/m)

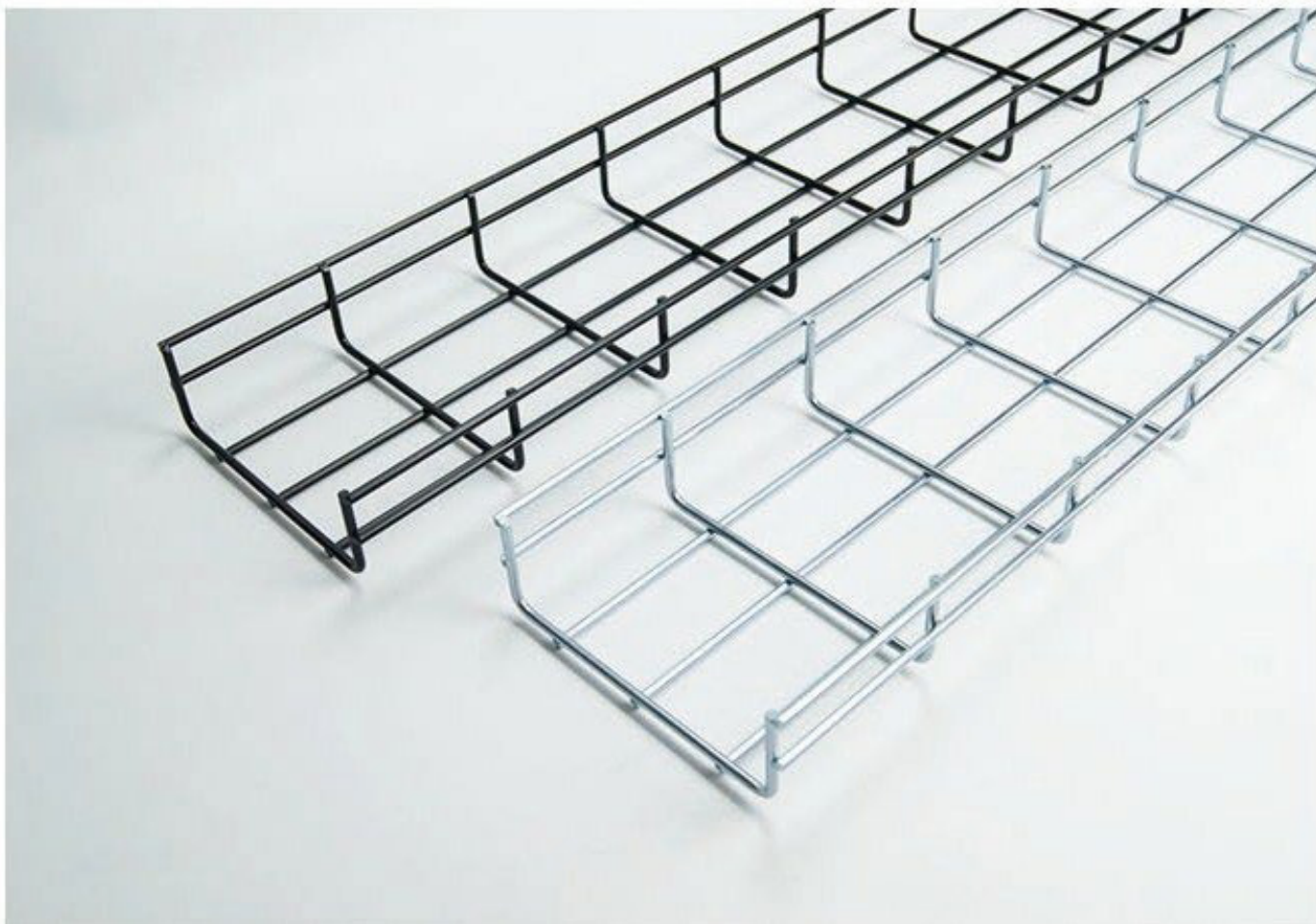
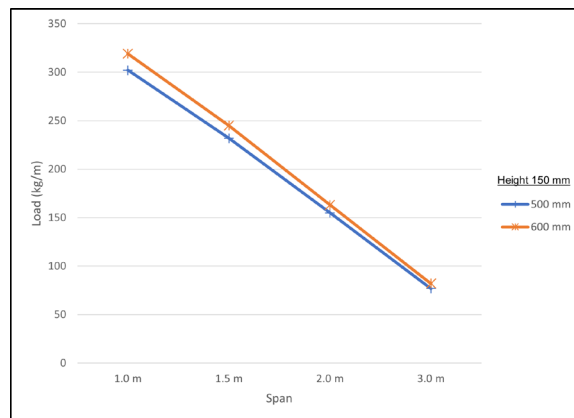
SMM5 wire diameter = 5 mm		Safe work loading			
		Span			
Height (mm)	Width (mm)	1.0 m	1.5 m	2.0 m	3.0 m
50	50 mm	91	70	47	23
50	100 mm	99	76	51	25
50	150 mm	101	78	52	26
50	200 mm	103	79	53	26
50	300 mm	111	85	57	28
50	400 mm	120	92	61	31
50	450 mm	125	96	64	32
50	500 mm	129	99	66	33
50	600 mm	137	105	70	35



SMM10 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



SMM15 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





## STANDARD SIZES

### SMM5 Wire Mesh Cable Tray - Nickel Plated

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
SMM550-5FT	50	50	1500	5	
SMM5100-5FT	50	100	1500	5	
SMM5150-5FT	50	150	1500	5	
SMM5200-5FT	50	200	1500	5	
SMM5300-5FT	50	300	1500	5	
SMM5400-5FT	50	400	1500	5	
SMM5450-5FT	50	450	1500	5	
SMM5500-5FT	50	500	1500	5	
SMM5600-5FT	50	600	1500	5	

### SMM10 Wire Mesh Cable Tray - Nickel Plated

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
SMM10100-5FT	100	100	1500	5	
SMM10150-5FT	100	150	1500	5	

### STANDARD SIZES

#### SMM5 Wire Mesh Cable Tray - Black Powder Coat

Part No.	Depth(mm)	Width(mm)	Length(mm)	Dia.(mm)	Cross Section
SMM550-BLK	50	50	3000	5	
SMM5100-BLK	50	100	3000	5	
SMM5150-BLK	50	150	3000	5	
SMM5200-BLK	50	200	3000	5	
SMM5300-BLK	50	300	3000	5	
SMM5400-BLK	50	400	3000	5	
SMM5450-BLK	50	450	3000	5	
SMM5500-BLK	50	500	3000	5	
SMM5600-BLK	50	600	3000	5	



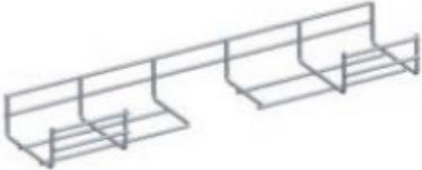

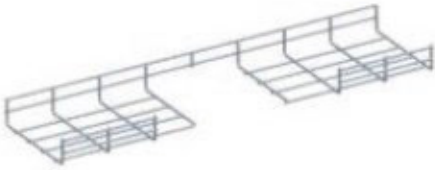

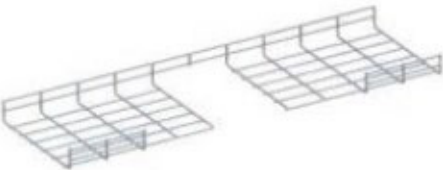

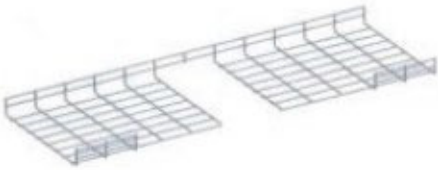

#### SMM10 Wire Mesh Cable Tray - Black Powder Coat

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
SMM10100-BLK	100	100	3000	5	
SMM10150-BLK	100	150	3000	5	
SMM10200-BLK	100	200	3000	5	
SMM10300-BLK	100	300	3000	5	
SMM10400-BLK	100	400	3000	5	
SMM10450-BLK	100	450	3000	5	
SMM10500-BLK	100	500	3000	5	
SMM10600-BLK	100	600	3000	5	

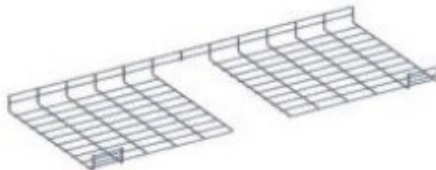



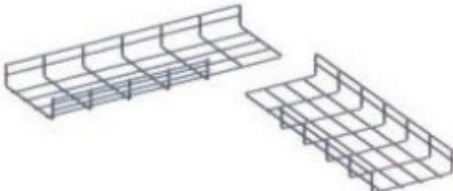

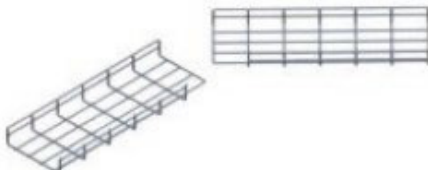


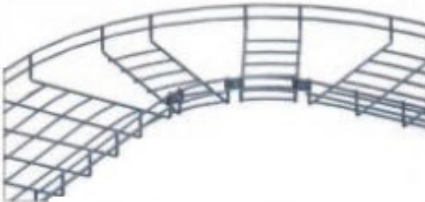
#### SMM15 Wire Mesh Cable Tray - Black Powder Coat

Part No.	Depth (mm)	Width (mm)	Length (mm)	Dia. (mm)	Cross Section
SMM15450-BLK	150	450	3000	5	
SMM15500-BLK	150	500	3000	5	
SMM15600-BLK	150	600	3000	5	

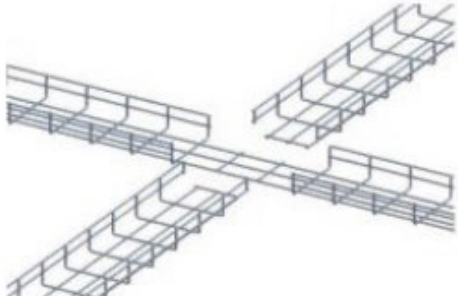
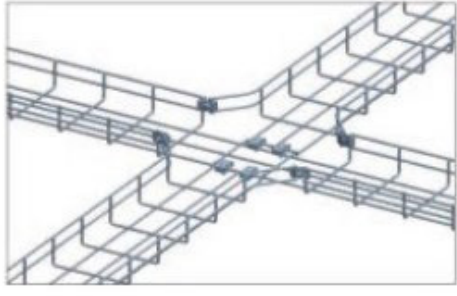
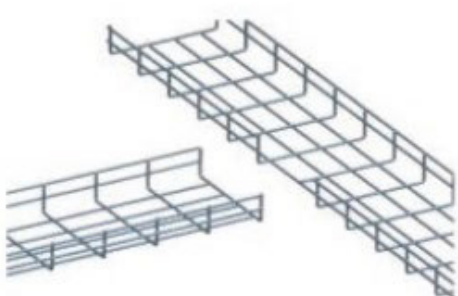
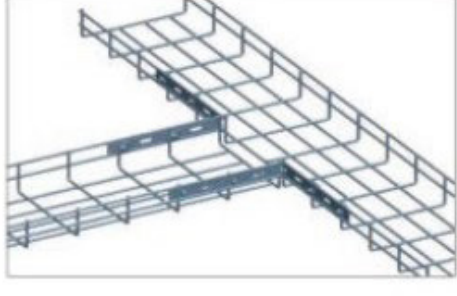
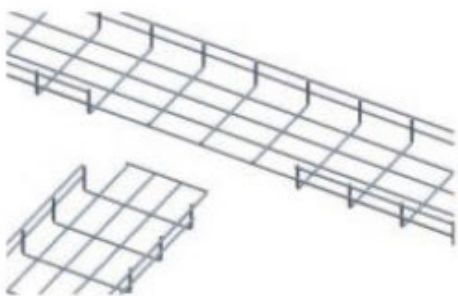
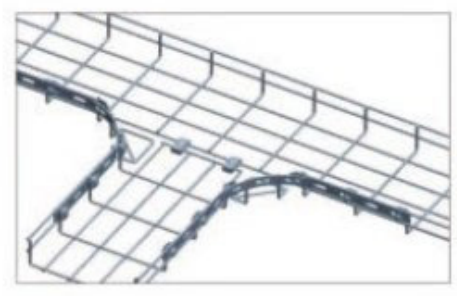
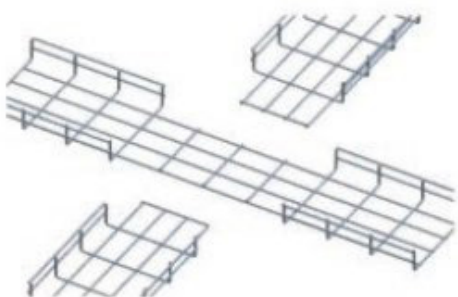
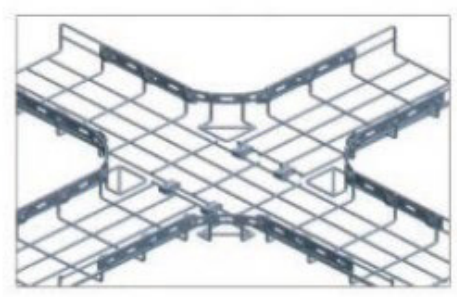
### ASSEMBLY GUIDE

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

### ASSEMBLY GUIDE

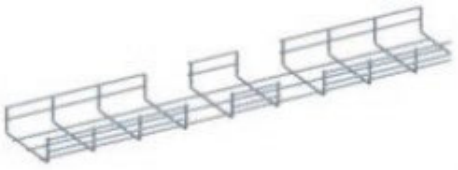

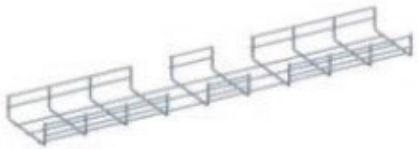
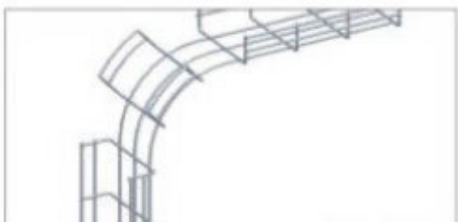

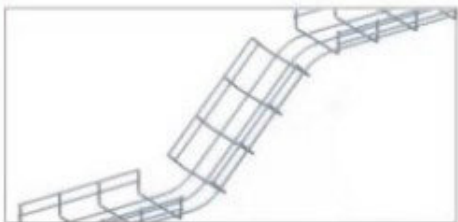
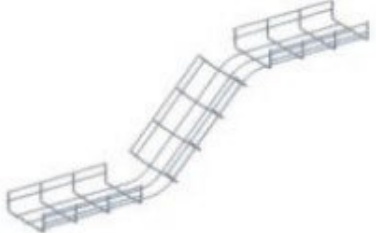
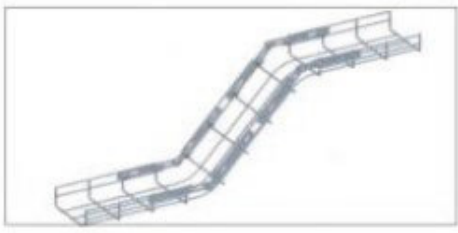
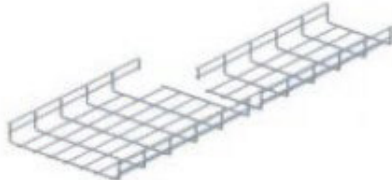
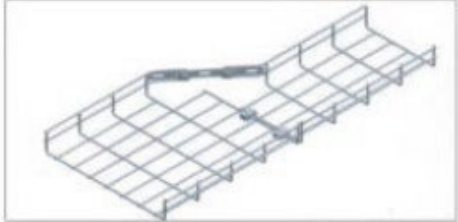
SIZE	CUT	BEND
500 mm		
600 mm		
L Connector		
Ankle Joint		
90° Radian Bend		

### ASSEMBLY GUIDE

WIDTH	CUT	BEND
Cross Joint		
T Connector		
T Connector		
Cross Joint		



### ASSEMBLY GUIDE

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

## PROJECT CASES





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

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  $60\mu\text{m}$

