

Cable Tray



Shanghai Xinma Busbar Bridge Frame Co., Ltd

About Xinma



Shanghai Xinma Busbar Bridge Frame Co., Ltd is a professional manufacturer for Cable Tray, Seismic Stabilizer Bracket & Busway, founded in Aug,2006, covers a area of 30,000m², has more than 200 employees, owns several automatic production lines, product is approved by National Patent, ISO9001:2008 ISO14001, OHSAS18001, CCC & CQC certification.

Workshop View



Certificate



UL



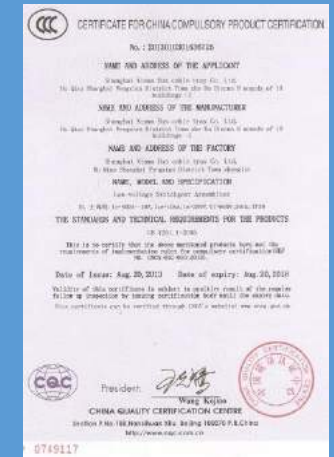
TUV



CCC-1



CCC-2



CCC-3



ASC-Busway



ASC-Cable Tray



OHSAS18001



ISO14001



ISO9001

Introduction of Cable Tray

In the electrical wiring of buildings, a cable tray system is used to support insulated electrical cables used for power distribution, control, and communication. Cable trays are used as an alternative to open wiring or electrical conduit systems, and are commonly used for cable management in commercial and industrial construction. They are especially useful in situations where changes to a wiring system are anticipated, since new cables can be installed by laying them in the tray, instead of pulling them through a pipe.



Application Field of Cable Tray



Data Center



Transport Grid



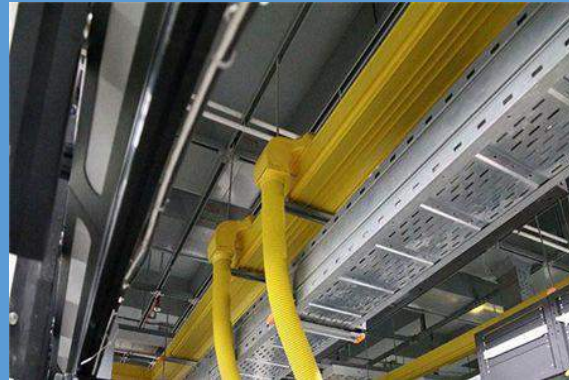
Exhibition Hall



Underground Garage



Factory Workshop



Distribution Station

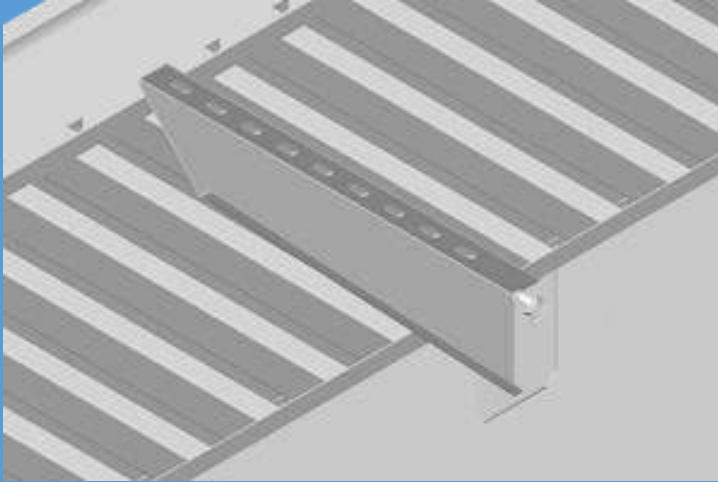


Metro Tunnel

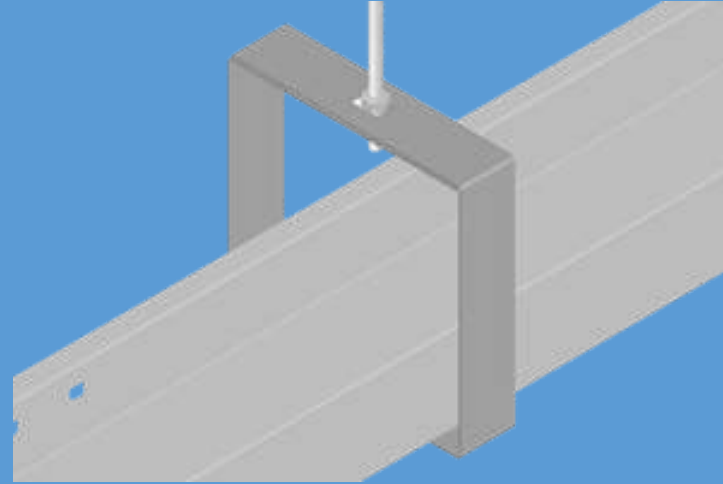


Utility Tunnel

Installation of Cable Tray



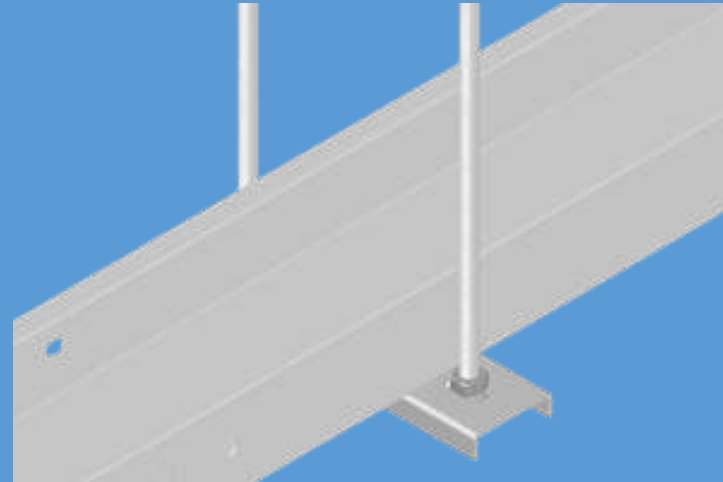
Horizontal against Wall



Horizontal Hanging(Small Size)



Vertical against Wall



Horizontal Hanging

Diagram of Cable Tray

Diagram of Cable Ladder System

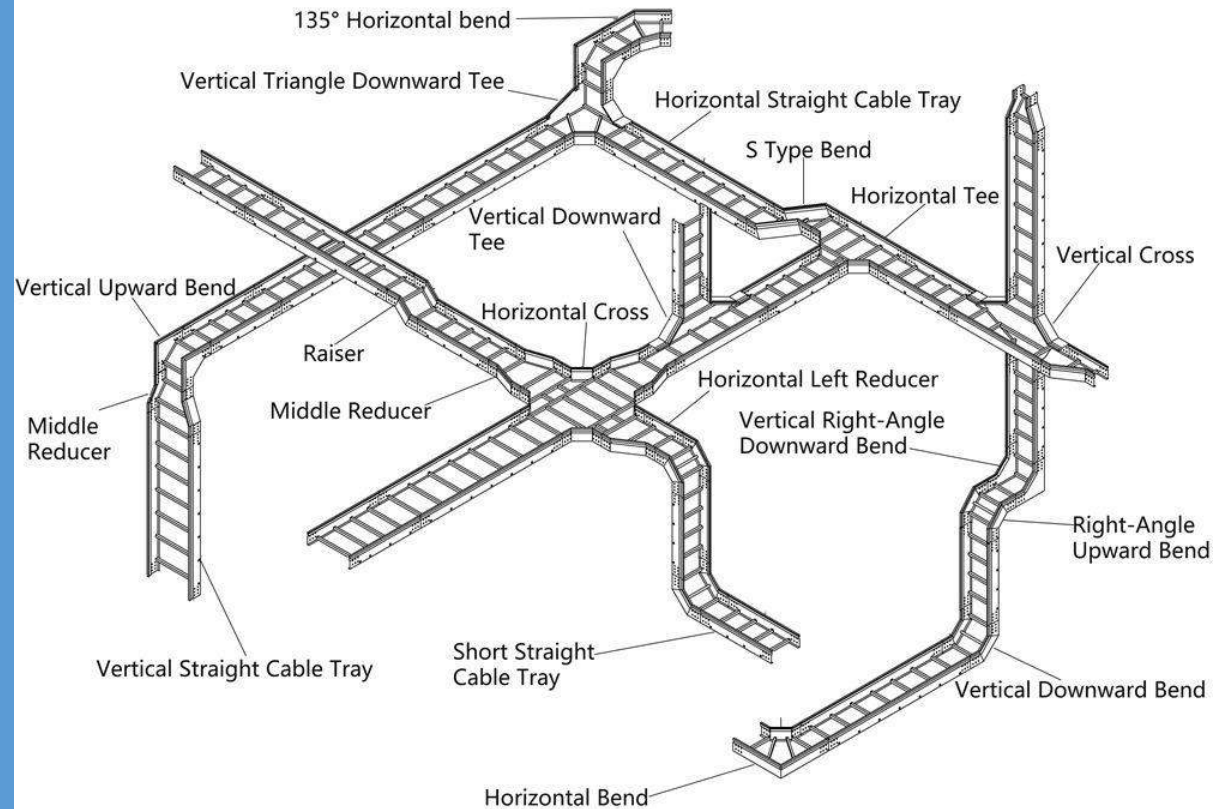
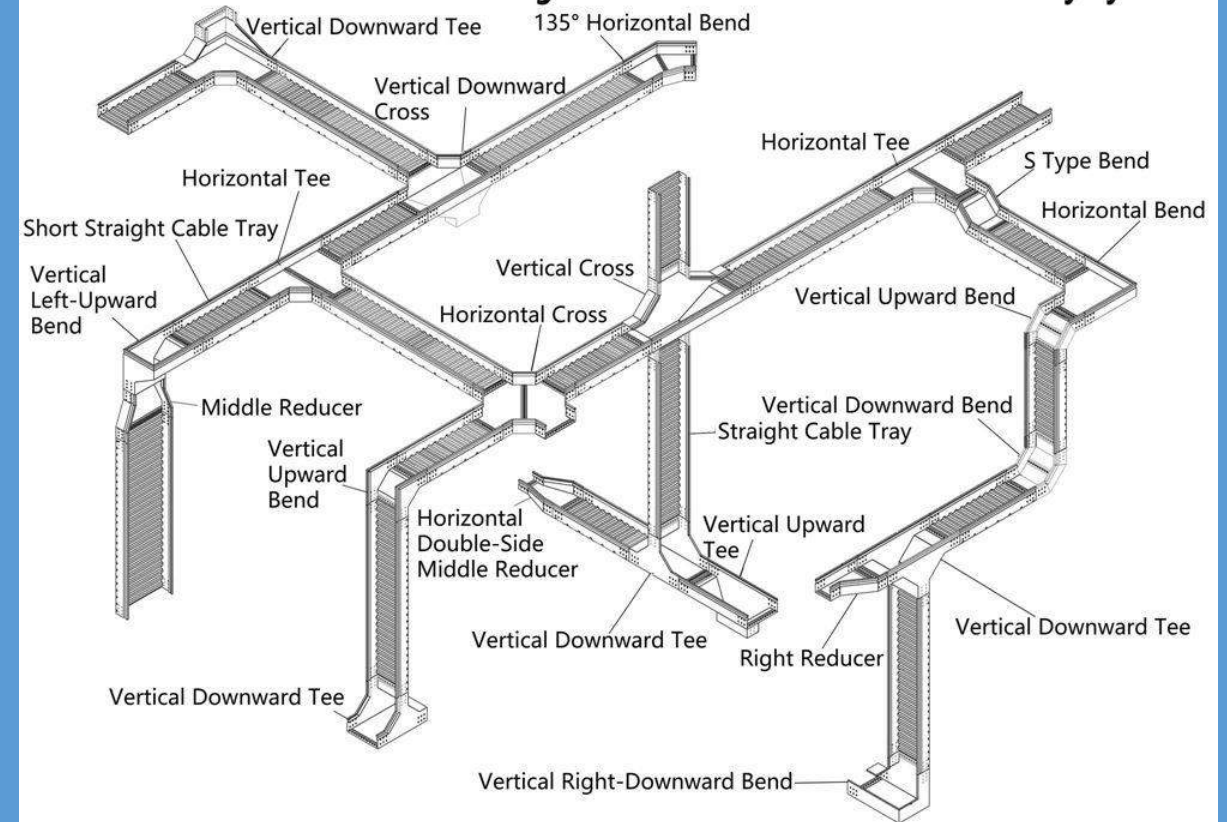
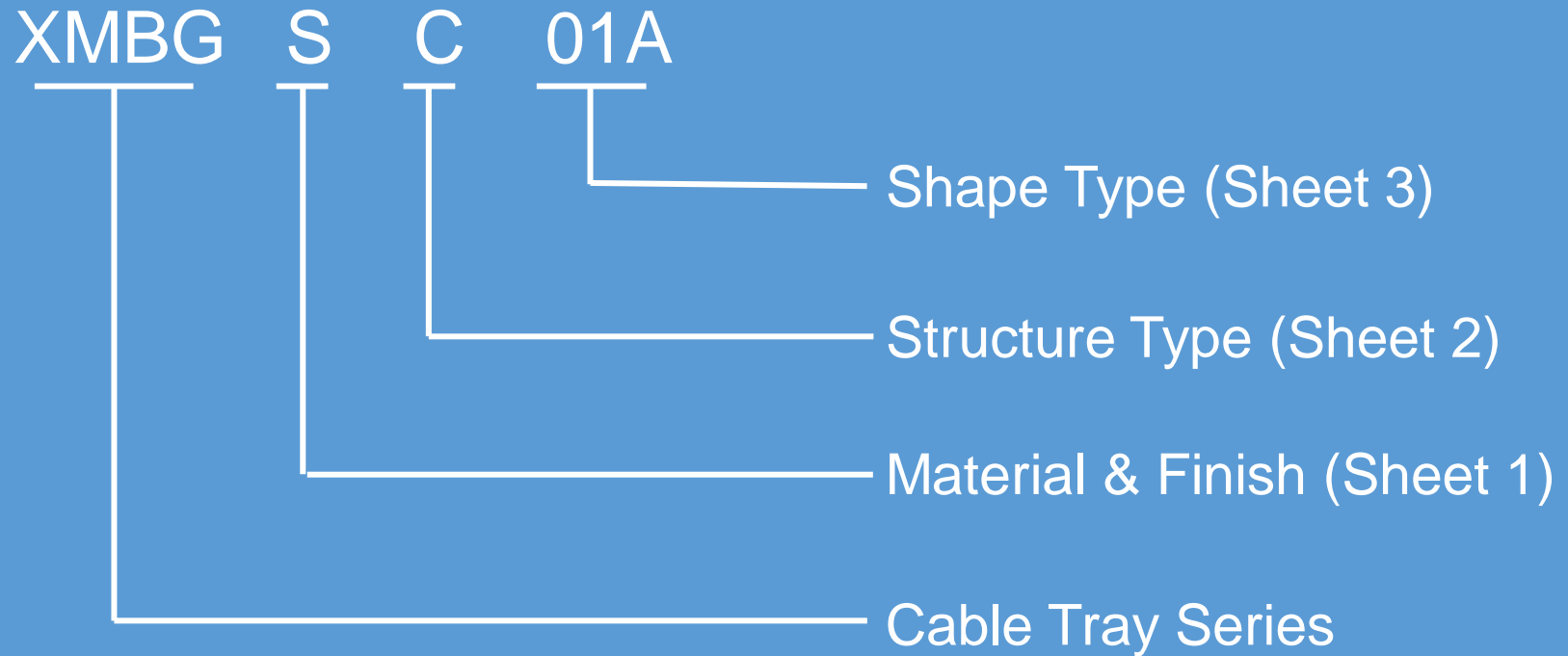


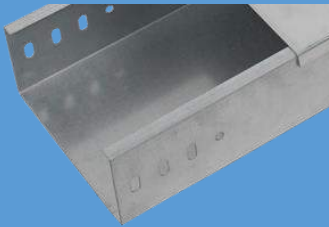
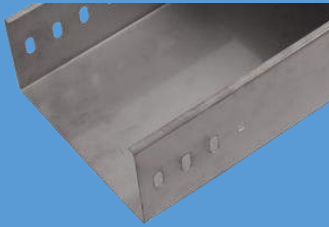

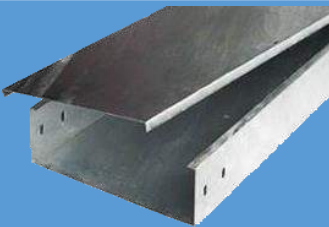
Diagram of Solid & Ventilated Cable Tray System



Explanation of Model



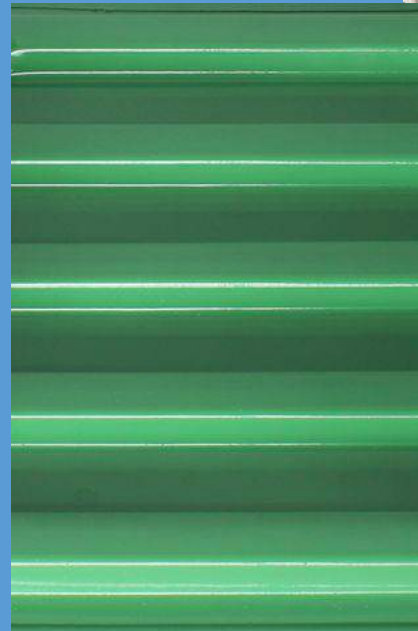
Material (Sheet 1)

Code	Description	Feature	Photo
G	Pre-Galvanized Steel	Usually for indoor, economic, high strength, heavy weight, thickness of zinc about 6um, corrosion resistance guarantee 10 years (Middle Corrosion Condition), wide application.	
S	Stainless Steel	For indoor & outdoor, corrosion resistance guarantee 30 years (Middle Corrosion Condition), recommended new generation materials, include SS201, SS430, SS304, SS316.	
A	Aluminum Alloy	For indoor & outdoor, excellent corrosion resistance, light weight, environment protection.	
HDG	Hot-Dipped-Galvanized Steel	Usually for outdoor, excellent corrosion resistance, but production process pollute environment seriously, it's replaced by Stainless Steel & Powder Coating step by step.	

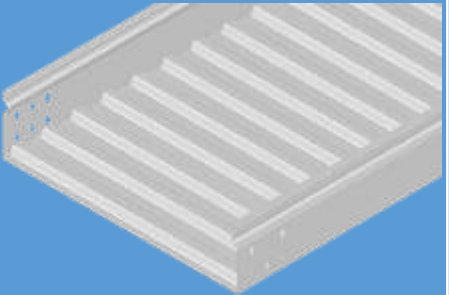
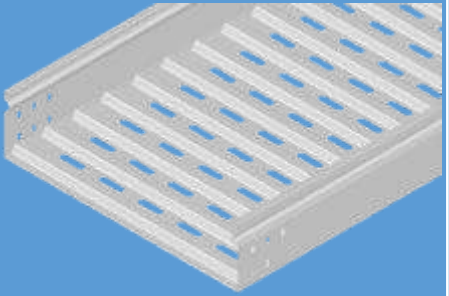
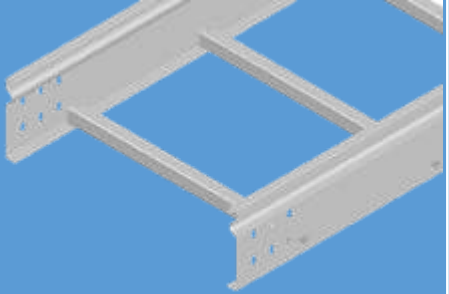
Finish (Sheet 1)

Code: P

Coating by Epoxy Powder for Pre-Galvanized Steel, Stainless Steel, Aluminum Alloy to provide maximum protection, reinforced corrosion resistance, high hardness, smooth surface, fire-proof, moisture-proof, dust-proof, color can be customized to as line mark, more and more widely applied.

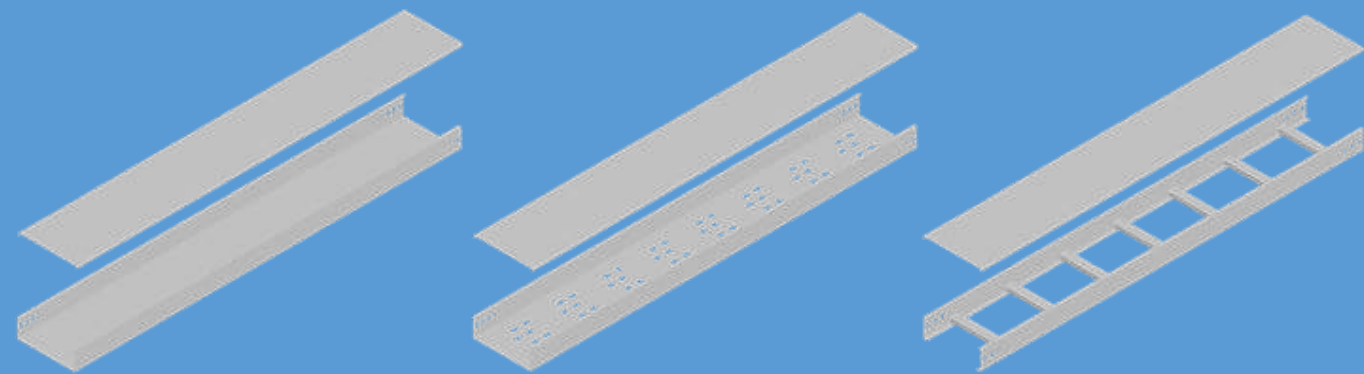


Structure Type (Sheet 2)

Code	Description	Feature	Photo
C	Solid Bottom	<ul style="list-style-type: none"> ■ Suit for indoor. ■ Fire-proof, moisture-proof, dust-proof, provides the maximum protection for cable. ■ Mainly choose for minimal heat generating cable or delicate cable. 	
P	Perforated Bottom	<ul style="list-style-type: none"> ■ Suit for indoor & outdoor. ■ Ventilated, moisture will leak through bottom hole. ■ Small diameter cable can exit through bottom hole. 	
T	Ladder Bottom	<ul style="list-style-type: none"> ■ Suit for indoor & outdoor. ■ Economical, light weight, be applied widely. ■ Ventilated, heat cable produce dissipate effectively. 	

XQJ Series Flat Cable Tray

- Simple structure
- Stable performance
- Economic
- Wide application

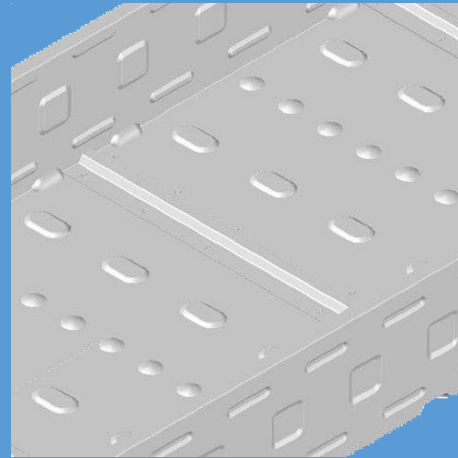
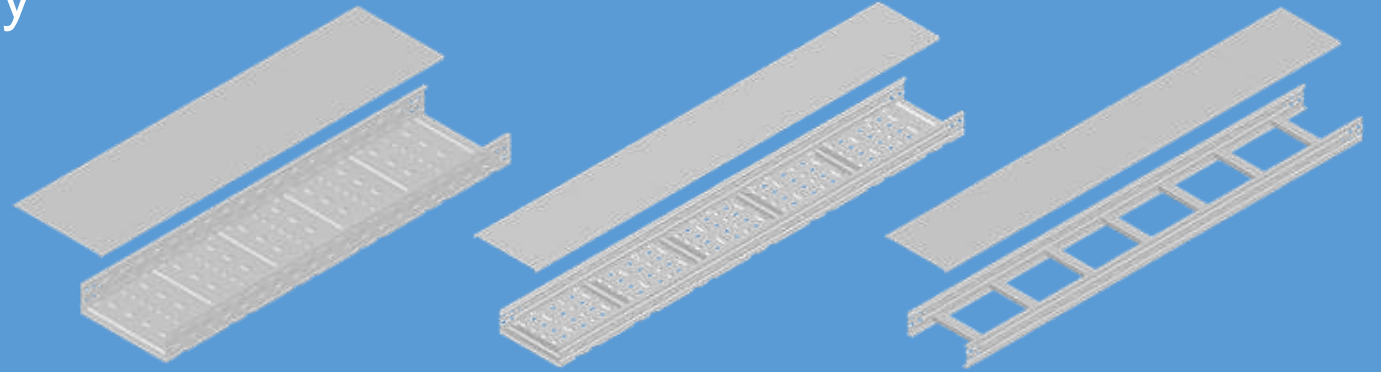


Item	Width	Heigh	Thickness	Length	Remark
	(mm)	(mm)	(mm)	(mm)	
XQJ Series Cable Tray	50	50	1	2000	Customized is available
	75	50	1		
	100	50/100	1		
	150	50/100/150	1		
	200	50/100/150/200	1.2		
	300	50/100/150/200	1.2		
	400	50/100/150/200	1.5		
	500	50/100/150/200	2		
	600	50/100/150/200	2.5		

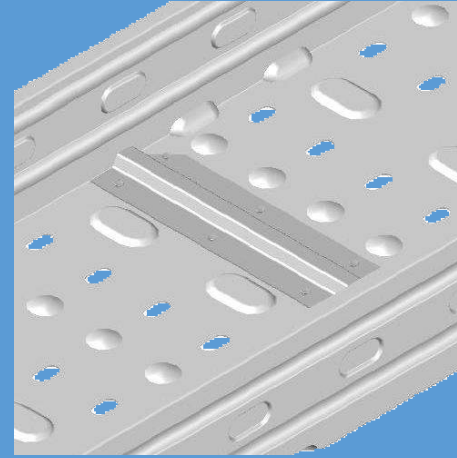
XMJZ Series Embossed Cable Tray

- High strength
- Light weight
- Energy-saving
- Long working life
- Competitive price

Improve structure by modern design technology-3D MADAS, use embossed base plate & reinforced bar to increase strength much, save 20~30% materials against XQJ Series.



Embossed Base Plate & Reinforced Bar



Cross Section

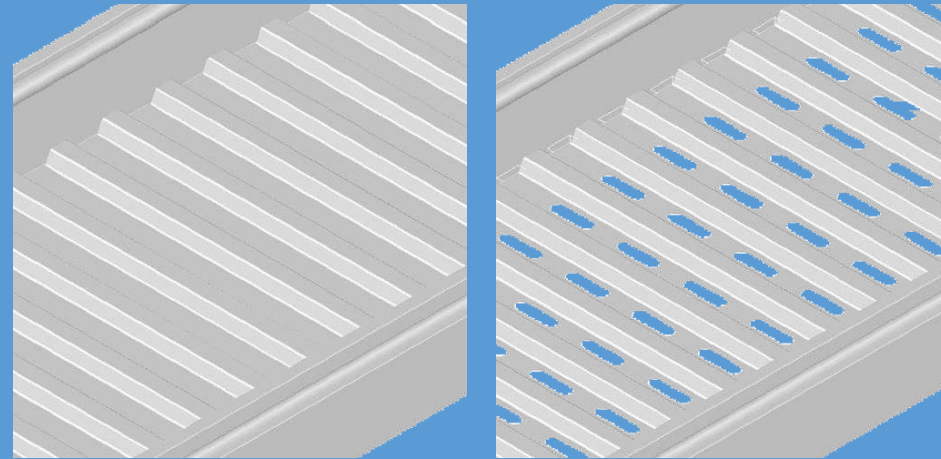
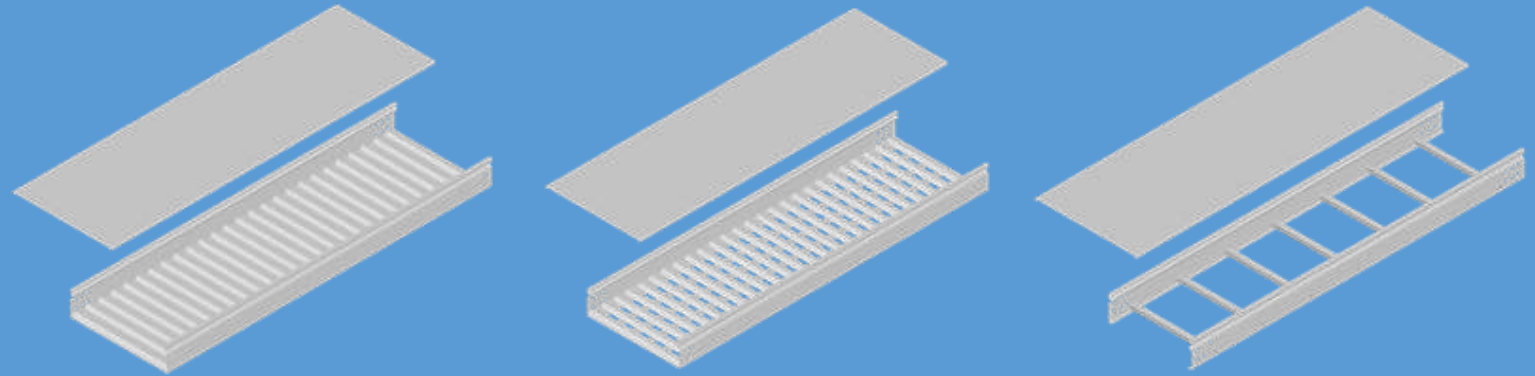
XMJZ Series Embossed Cable Tray

Item	Width	Heigh	Thickness	Length	Remark
	(mm)	(mm)	(mm)	(mm)	
XMJZ Series Cable Tray	50	50	0.8	2000	Customized is available
	75	50	0.8		
	100	50/100	0.8		
	150	50/100/150	0.8		
	200	50/100/150/200	0.8		
	300	50/100/150/200	1		
	400	50/100/150/200	1		
	500	50/100/150/200	1.2		
	600	50/100/150/200	1.2		
	800	50/100/150/200	1.5		
	1000	50/100/150/200	1.5		
	1200	50/100/150/200	1.5		

XMBG Series Corrugated Cable Tray

- New generation cable tray
- Excellent loading capacity
- Light weight
- Energy-saving
- Long working life
- Competitive price

Optimize design for bottom & side by Finite Element Method (FEM), increase inertia moment of bottom to enhance loading capacity, assemble by mechanical arm & laser welding assure fastness & accuracy, using heat conduction and air heat exchange, to maximize the heat generated by the cable conductor in cable tray to be fully dissipated, thereby reducing resistance value, loss of power lines and improving utilization rate of electric energy, achieve the effect of energy saving.



Corrugated Bottom & Semi-circle Side



Cross Section

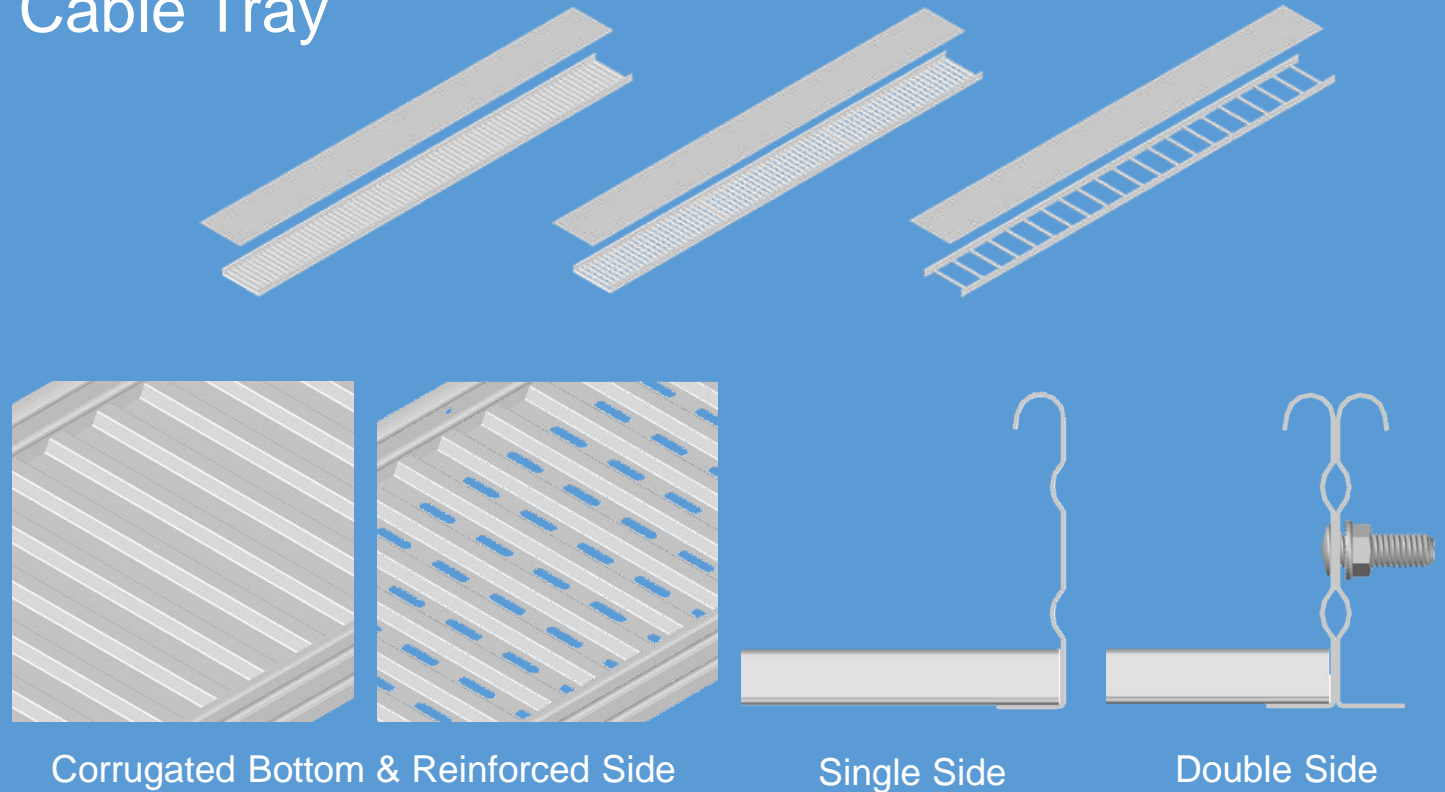
XMBG Series Embossed Cable Tray

Item	Width	Heigh	Thickness		Length	Remark
	(mm)	(mm)	Bottom (mm)	Side (mm)	(mm)	
XMBG Series Cable Tray	50	50	0.8	0.8	2000	Customized is available
	75	50	0.8	0.8		
	100	50/100	0.8	0.8		
	150	50/100/150	0.8	0.8		
	200	50/100/150/200	0.8	0.8		
	300	50/100/150/200	0.5	1		
	400	50/100/150/200	0.5	1		
	500	50/100/150/200	0.6	1.2		
	600	50/100/150/200	0.6	1.2		
	800	50/100/150/200	0.6	1.5		
	1000	50/100/150/200	0.7	1.5		
	1200	50/100/150/200	0.7	1.5		

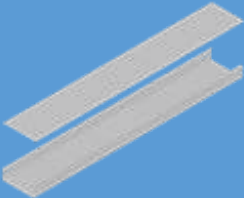
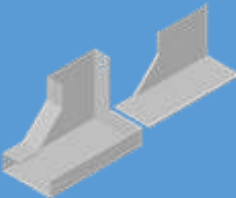

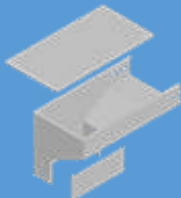
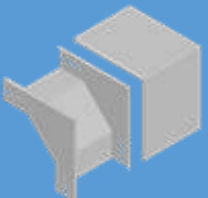
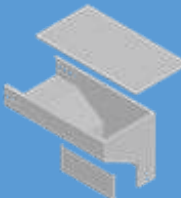
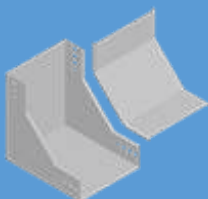

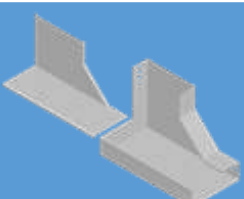
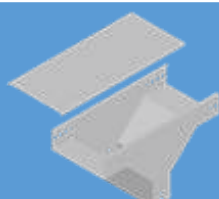
DJ Series Corrugated Long Span Cable Tray

- Labour-saving
- Stabilized
- Excellent loading capacity
- Light weight
- Energy-saving
- Long working life
- Competitive price

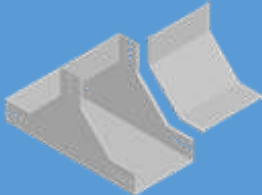
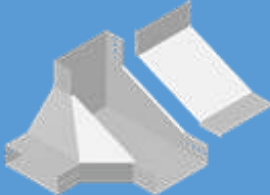
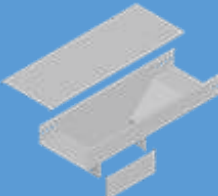
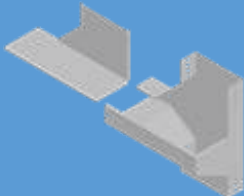

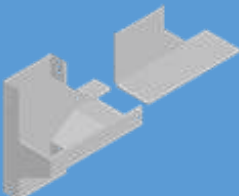
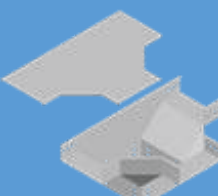
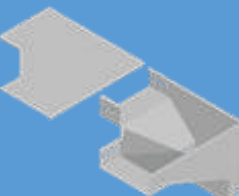
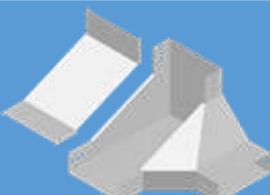

Innovated corrugated bottom, reinforced side, long span design decrease installation times, that means save labour and increase stability of cable tray system, suits for situation of many straight sections.




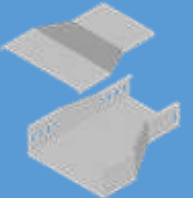

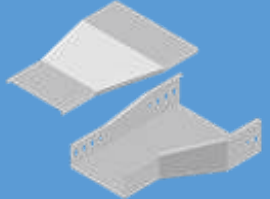

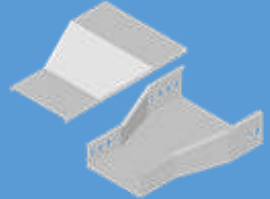
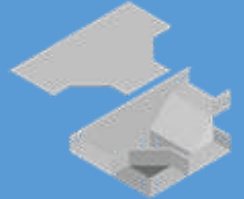
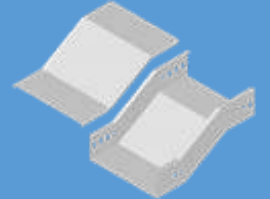


Shape Type (Sheet 3)

Code	Description	Photo	Code	Description	Photo
01A	Straight Section		02E	Vertical Right-Downward Bend	
02A	Horizontal Bend		02F	Vertical Left-Upward Bend	
02B	Vertical Upward Bend		02G	Vertical Right-Upward Bend	
02C	Vertical Downward Bend		03A	Horizontal Tee	
02D	Vertical Left-Downward Bend		03B	Vertical Upward Tee	

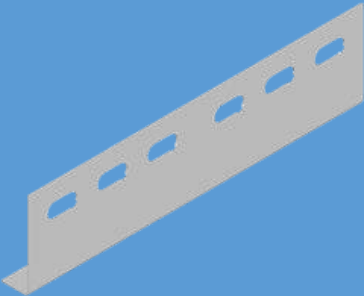
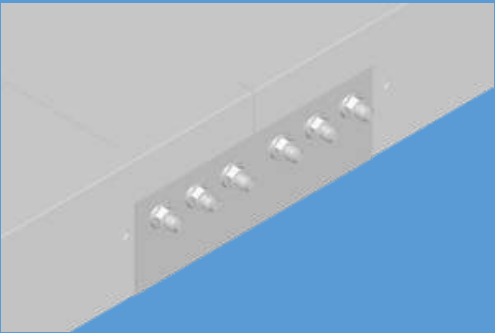
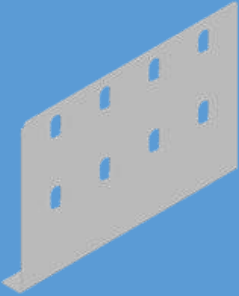
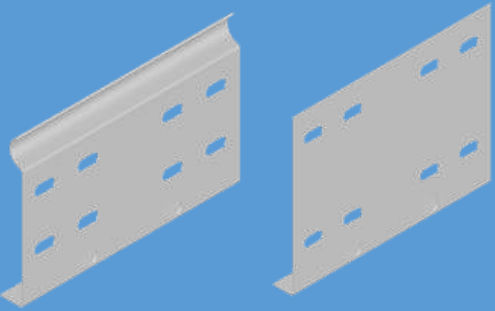

Shape Type (Sheet 3)

Code	Description	Photo	Code	Description	Photo
03C	Vertical Downward Tee		03H	Vertical Corner Right-Downward Tee	
03D	Vertical Side Upward Tee		03I	Vertical Right Tee	
03E	Vertical Side Downward Tee		03J	Vertical Left Tee	
03F	Vertical Corner Upward Tee		03K	Vertical Right-Downward Tee	
03G	Vertical Corner Left-Downward Tee		03L	Vertical Left-Downward Tee	

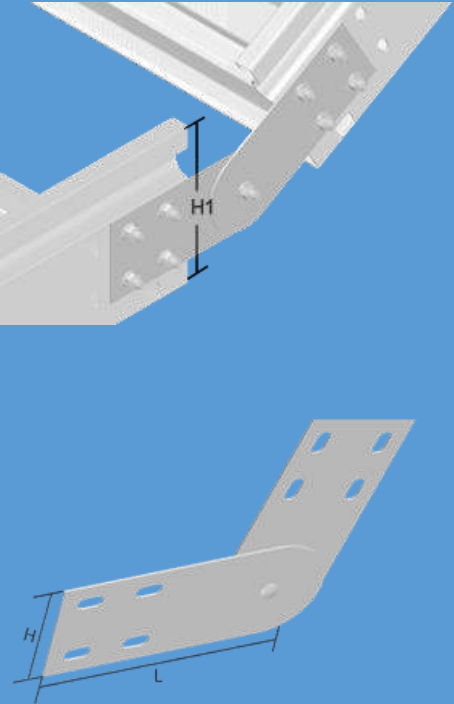
Shape Type (Sheet 3)

Code	Description	Photo	Code	Description	Photo
04A	Horizontal Cross		05A	Left Reducer	
04B	Vertical Cross		05B	Right Reducer	
04C	Vertical Upward Cross		05C	Middle Reducer	
04D	Vertical Downward Cross1		06A	Riser	
04E	Vertical Downward Cross2		07A	Vertical Adjustable Bend	

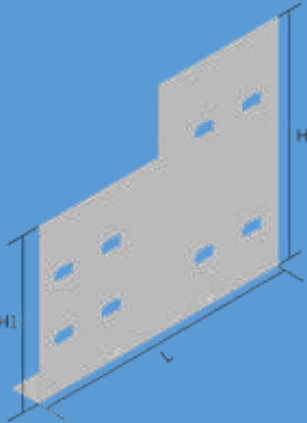
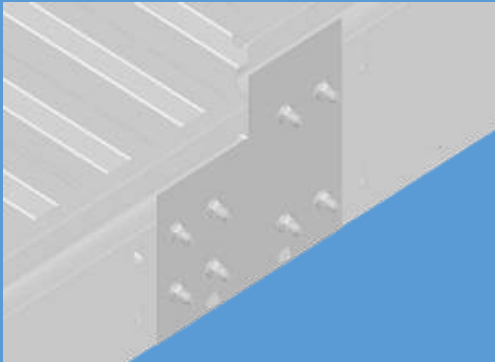
Cable Tray Fittings - Coupler

Photo	Model	L (mm)	H (mm)	Accessory	Installation Diagram
	XQJ-TPC-02-50	240	35	M6/8 Screw & Bolt	
	XQJ-TPC-02-75		50		
	XQJ-TPC-02-100		75		
	XQJ-TPC-02-125		100		
	XQJ-TPC-02-150		125		
	XQJ-TPC-02-200		175		

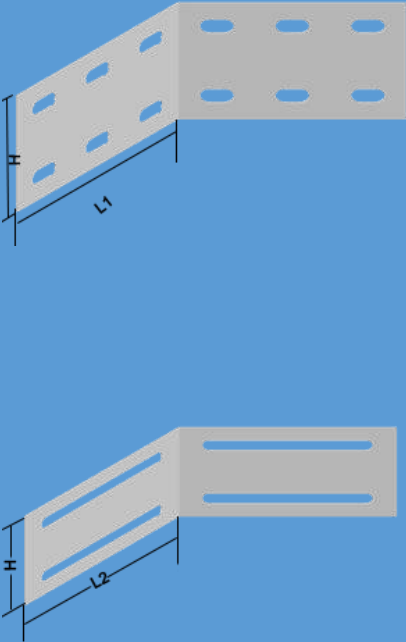
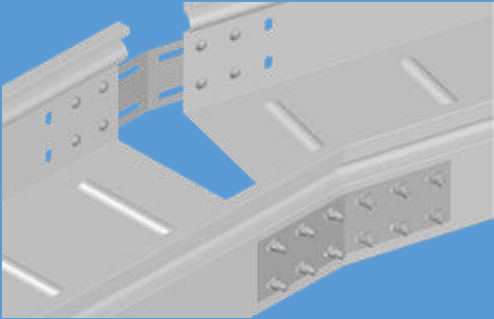
Cable Tray Fittings - Vertical Adjustable Coupler

Photo	Model	H1 (mm)	H (mm)	L (mm)	Accessory	Installation Diagram
	XQJ-TPC-04-75	75	50	170	M6/8 Screw & Bolt	
	XQJ-TPC-04-100	100	75	195		
	XQJ-TPC-04-150	150	125	245		
	XQJ-TPC-04-200	200	175	295		

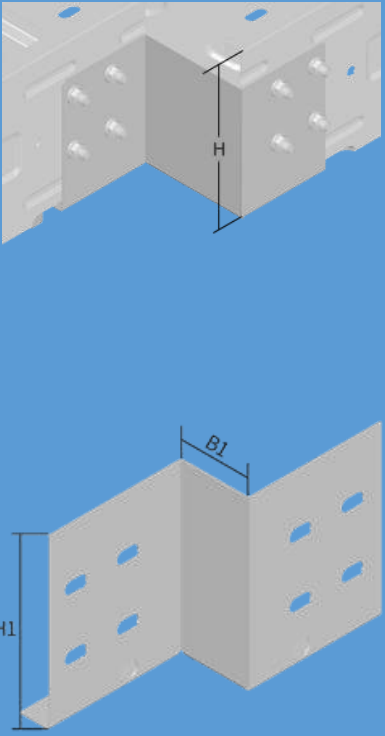
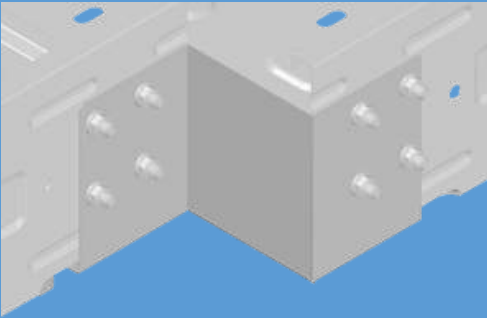
Cable Tray Fittings - Step Down Coupler

Photo	Model	H1 (mm)	H2 (mm)	L (mm)	Accessory	Installation Diagram
	XQJ-TPC-01B-75/100	50	75	240	M6/8 Screw & Bolt	
	XQJ-TPC-01B-75/150	50	125			
	XQJ-TPC-01B-75/200	50	175			
	XQJ-TPC-01B-100/150	75	125			
	XQJ-TPC-01B-100/200	75	175			
	XQJ-TPC-01B-150/200	100	175			

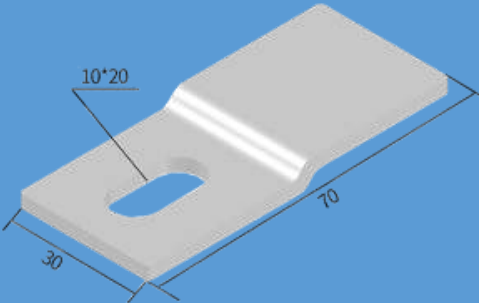
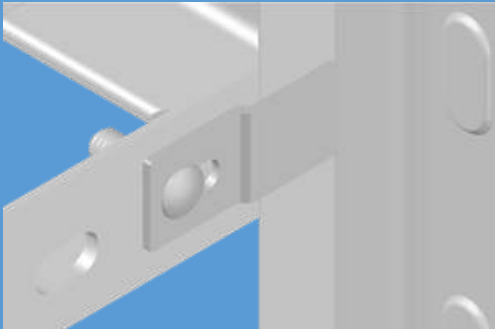
Cable Tray Fittings - Horizontal Adjustable Coupler

Photo	Model	H (mm)	L1 (mm)	L2 (mm)	Accessory	Installation Diagram
	XQJ-TPC-03-50	25	120	150	M6/8 Screw & Bolt	
	XQJ-TPC-03-75	50				
	XQJ-TPC-03-100	75				
	XQJ-TPC-03-150	125				
	XQJ-TPC-03-200	175				

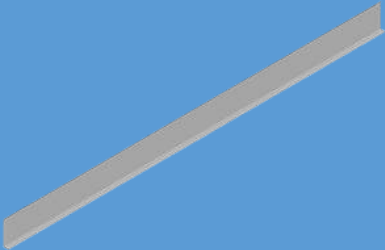
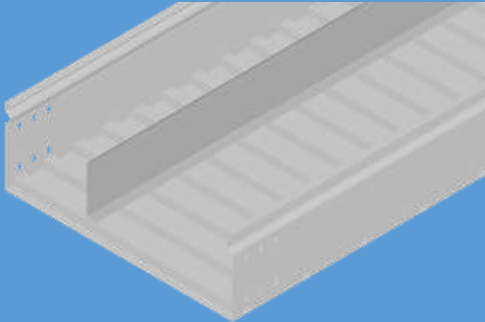
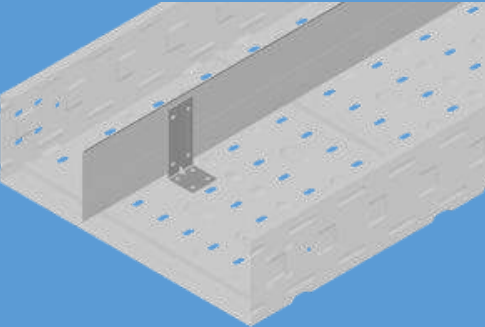
Cable Tray Fittings - Offset Reducing Coupler

Photo	Model	H (mm)	H1 (mm)	B1 (mm)	Accessory	Installation Diagram
	XQJ-TPC-01A-100	75	50	100	M6/8 Screw & Bolt	
	XQJ-TPC-01A-150			150		
	XQJ-TPC-01A-200			200		
	XQJ-TPC-01A-300			300		
	XQJ-TPC-01A-400			400		
	XQJ-TPC-01A-500			500		
	XQJ-TPC-01A-600			600		

Cable Tray Fittings - Fixed Plate

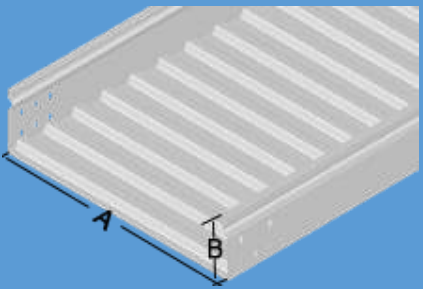
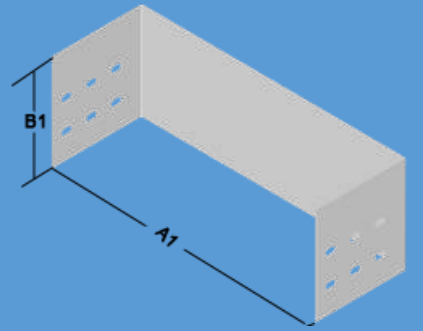
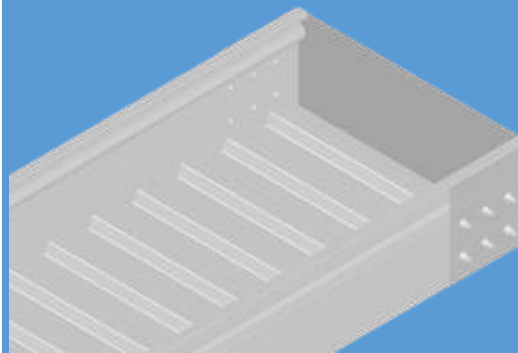
Photo	Model	Description	Accessory	Installation Diagram
	XQJ-TPC-05	TPC-05 fixed plate is mainly used in the fixing of Stair-type cable tary with brack etarm and the fixing of starr-type tray with wall when installed vertically.	M6/8 Screw & Bolt	

Cable Tray Fittings - Divider


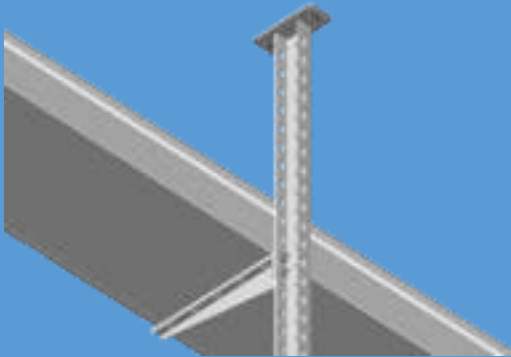
Photo	Model	H (mm)	H1 (mm)	H2 (mm)	Accessory	Installation Diagram
	XQJ-TPC-07-50	50,60	35	40	M6/8 Screw & Bolt	 
	XQJ-TPC-07-75	75		65		
	XQJ-TPC-07-100	100	75	90		
	XQJ-TPC-07-125	125		115		
	XQJ-TPC-07-150	150	125	140		
	XQJ-TPC-07-200	200		190		

Tips:H1 for Ladder Cable Tray, H2 for Solid & Perforated Cable Tray

Cable Tray Fittings - Blind End

Photo	Model	AxB	A1xB1	Accessory	Installation Diagram
 	XQJ-C-1B-1	50 X 25	43 X 18	M6/8 Screw & Bolt	
	XQJ-C-1B-2	100 X 50	93 X 43		
	XQJ-C-1B-3	150 X 75	143 X 68		
	XQJ-C-1B-4	200 X 125	190 X 90		
	XQJ-C-1B-5	250 X 125	240 X 115		
	XQJ-C-1B-6	300 X 150	290 X 140		
	XQJ-C-1B-7	400 X 200	387 X 187		
	XQJ-C-1B-8	500 X 200	487 X 187		
	XQJ-C-1B-9	600 X 200	587 X 187		
	XQJ-C-1B-10	800 X 200	787 X 187		


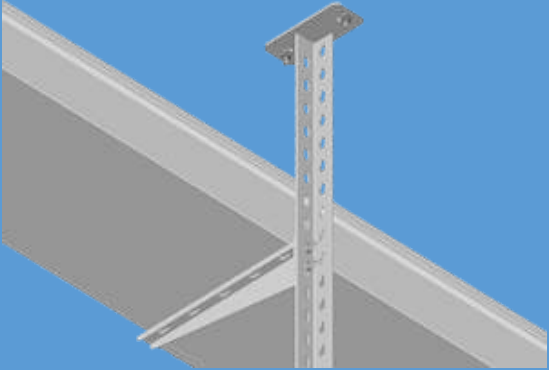
Cable Tray Fittings - Column with C Type Steel Rail

Photo	Model	L (mm)	Accessory	Installation Diagram
	XQJ-H-01C-3	300	Expansion Bolt	
	XQJ-H-01C-5	500		
	XQJ-H-01C-8	800		
	XQJ-H-01C-10	1000		
	XQJ-H-01C-15	1500		
	XQJ-H-01C-20	2000		

Cable Tray Fittings - Column with H Type Steel Rail

Photo	Model	L (mm)	Accessory	Installation Diagram
	XQJ-H-01A-3	300	Expansion Bolt	
	XQJ-H-01A-5	500		
	XQJ-H-01A-8	800		
	XQJ-H-01A-10	1000		
	XQJ-H-01A-15	1500		
	XQJ-H-01A-20	2000		
	XQJ-H-01A-25	2500		
	XQJ-H-01A-30	3000		

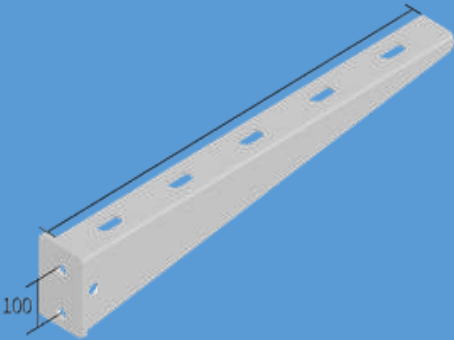
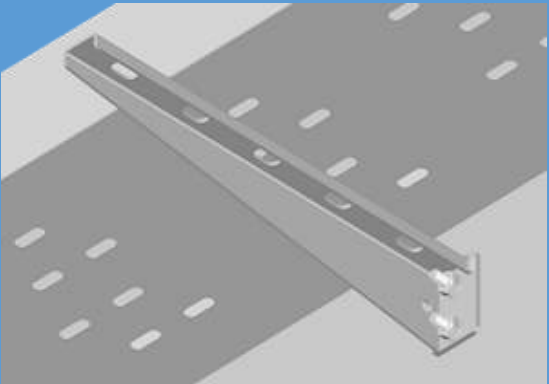
Cable Tray Fittings - Column with L Type Steel Rail

Photo	Model	L (mm)	Accessory	Installation Diagram
	XQJ-H-01D-3	300	Expansion Bolt	
	XQJ-H-01D-5	500		
	XQJ-H-01D-8	800		
	XQJ-H-01D-10	1000		
	XQJ-H-01D-15	1500		
	XQJ-H-01D-20	2000		

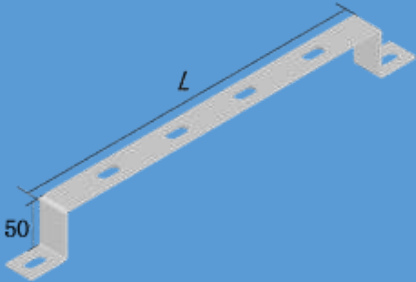
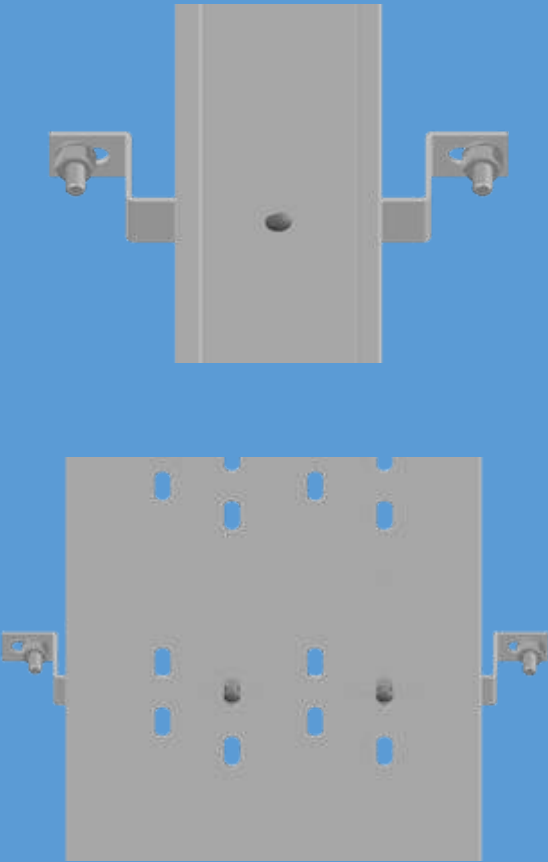
Cable Tray Fittings - Supporting Bracket

Photo	Model	L (mm)	Accessory	Installation Diagram
	XQJ-TB-01B-10	140	M12 Expansion Bolt	
	XQJ-TB-01B-15	190		
	XQJ-TB-01B-20	240		
	XQJ-TB-01B-25	290		
	XQJ-TB-01B-30	340		
	XQJ-TB-01B-40	440		
	XQJ-TB-01B-50	540		
	XQJ-TB-01B-60	640		
	XQJ-TB-01B-80	840		
	XQJ-TB-01B-100	1040		


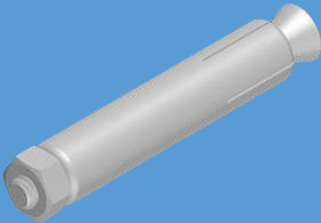

Cable Tray Fittings - Supporting Bracket

Photo	Model	L (mm)	Accessory	Installation Diagram
	XQJ-TB-03-10	140	M12 Expansion Bolt	
	XQJ-TB-03-15	190		
	XQJ-TB-03-20	240		
	XQJ-TB-03-25	290		
	XQJ-TB-03-30	340		
	XQJ-TB-03-40	440		
	XQJ-TB-03-50	540		
	XQJ-TB-03-60	640		
	XQJ-TB-03-80	840		
	XQJ-TB-03-100	1040		



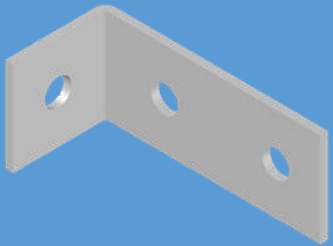



Cable Tray Fittings - Under Footer

Photo	Model	L (mm)	Accessory	Installation Diagram
	XQJ-TB-04-15	150	M12 Expansion Bolt TPC-05 Fixed Plate	
	XQJ-TB-04-20	200		
	XQJ-TB-04-25	300		
	XQJ-TB-04-30	350		
	XQJ-TB-04-40	400		
	XQJ-TB-04-50	500		
	XQJ-TB-04-55	550		
	XQJ-TB-04-60	600		
	XQJ-TB-04-70	700		
	XQJ-TB-04-80	800		





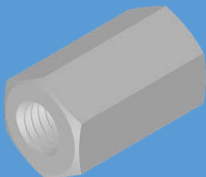

Cable Tray Fittings

Photo	Item	Model
	Bolt & Nut	M6
		M8
		M10
	Expansive Bolt	Ø 6*60
		Ø 8*80
		Ø 10*95
		Ø 12*110
		Ø 14
		Ø 16
	Inner Expansive	Ø 6
		Ø 8
		Ø 10
		Ø 12
		Ø 14
		Ø 16

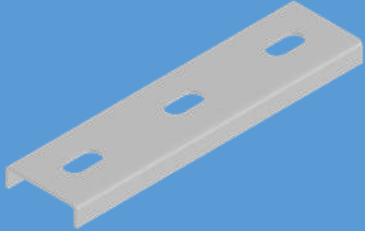
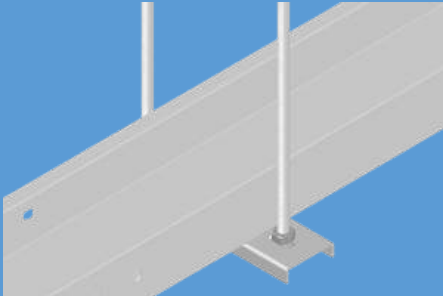
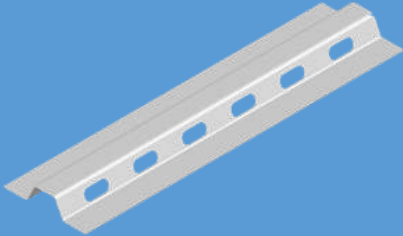

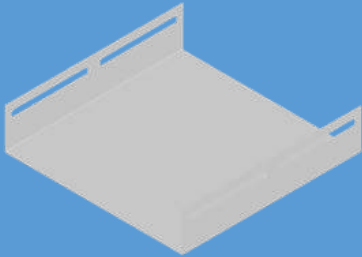
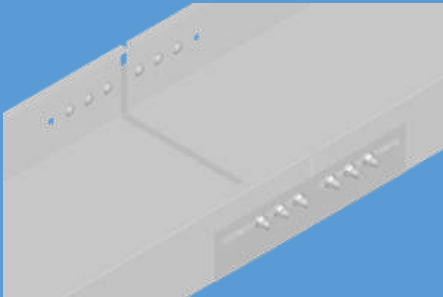
Cable Tray Fittings

Photo	Item	Installation Diagram
	J Type Cover Clip	
	L Type Bracket	
	L Type Cover Clip	

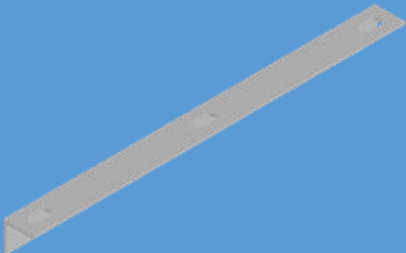
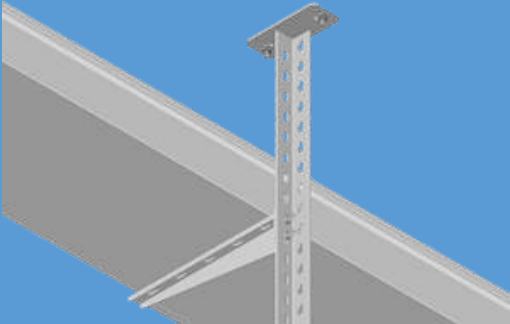

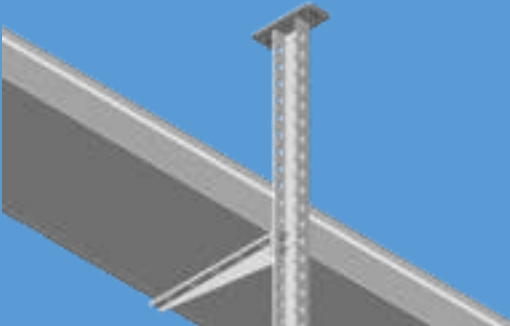
Cable Tray Fittings

Photo	Item	Installation Diagram
	Bonding Jumper	
	Cover Lock	
	Extender Threaded Rod	

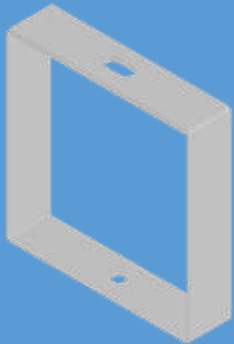
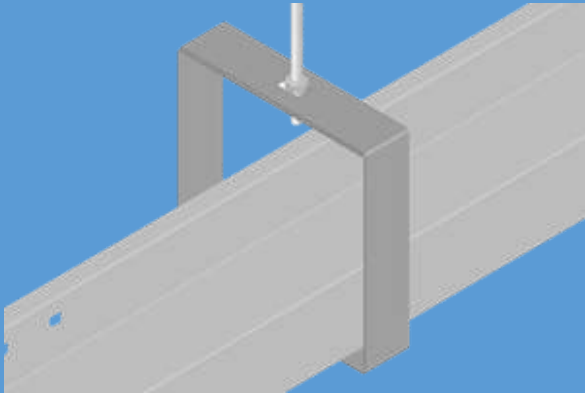
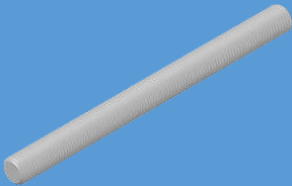
Cable Tray Fittings

Photo	Item	Installation Diagram
	C Type Steel Rail	
	Perforated Reinforced Bar	
	Slip Joint	

Cable Tray Fittings

Photo	Item	L (m)	Installation Diagram
	L Type Steel Rail	300	
		500	
		800	
	Special Type Steel Rail	1000	
		1500	
		2000	

Cable Tray Fittings

Photo	Item	Model	Installation Diagram
	Frame Type Hanger	80*80	
		130*80	
		130*130	
		160*160	
		210*210	
		230*230	
	Threaded Rod	Ø 6	
		Ø 8	
		Ø 10	
		Ø 12	
		Ø 14	
		Ø 16	

Safe Working Load(SWL) & Width of Cable Tray



Safe Working Load (N/m)	Width of Cable Tray (mm)
650	600-200
1800	250-400
2600	450-600
3250	800-1000

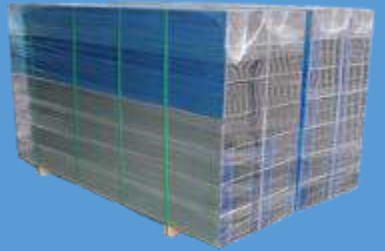
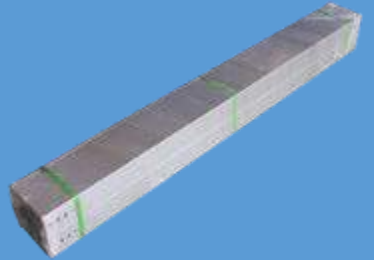

Applicable Environment of Material & Finish

Protection Type		Protection Code	Galvanized Steel	Powder Coating	Stainless Steel	Hot-Dipped-Galvanized Steel
Indoor	Normal	J	●	●	●	●
	Humidity & Hot	TH	x	●	●	x
	Middle Corrosion	F1	x	●	●	●
	Strong Corrosion	F2	x	x	●	x
Outdoor	Light Corrosion	W	x	●	●	●
	Middle Corrosion	WF1	x	●	●	●
	Strong Corrosion	WF2	x	x	●	x



MIN Thickness of Various Series

Width (mm)	Thickness (mm)							Safe Working Load (N/m)
	Flat Type		Embossed Type		Corrugated Type			
	Base	Cover	Base	Cover	Side	Bottom	Cover	
W≤200	1.2	1.0	0.8	0.6	0.8	0.4	0.6	650
200 <W≤400	2.0	1.2	1.0	0.6	1.0	0.5	0.6	1800
400 <W≤600	2.0	1.2	1.2	0.6	1.2	0.6	0.6	2600
600 <W<800	2.0	1.5	1.4	0.6	1.4	0.6	0.6	
800,1000	-	-	1.5	0.6	1.5	0.7	0.6	3250

Packing

Packing	Description	Photo
Pallet	<ul style="list-style-type: none">● Wrapping film in whole to prevent cargo from damage, dust, moisture.● Fix by wooden bar and packing belt.● Convenient to carry by forklift, labour-saving.	
Bundle	<ul style="list-style-type: none">● For LCL only.● Wrapping film in whole to avoid damage, dust, moisture for cargo.● Fix by packing belt.● Flexible to carry.	
Metal Box	<ul style="list-style-type: none">● For Accessory only.● Big loading capacity.	

Packing

Packing	Description	Photo
In Nude	<ul style="list-style-type: none">• For Cable Tray only.• For FCL only, loading capacity maximized.	-
Carton	<ul style="list-style-type: none">• For Accessory only.	
Woven Bag	<ul style="list-style-type: none">• For Accessory only.	

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