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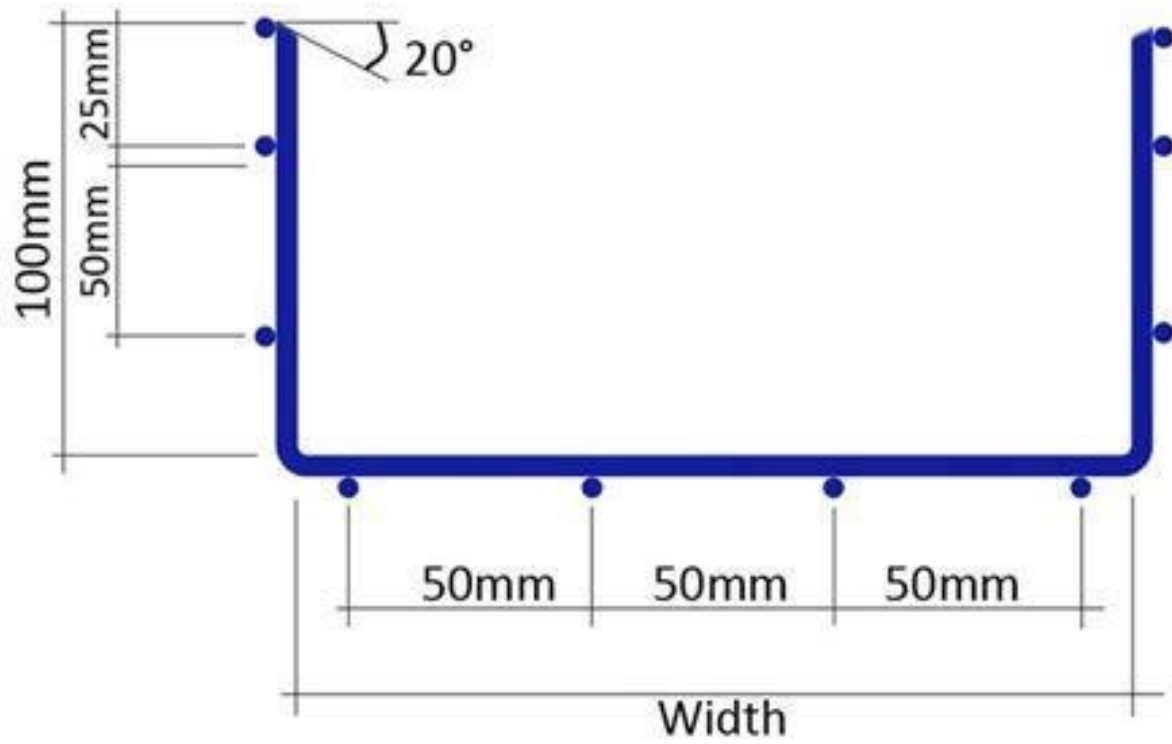
Cable tray sizes chart

Steel City & Carlon Floor Boxes Ladder and perforated cable tray are the two types of electrical trays and there are various sizes of cable trays available in the market. It is used to make cable laying and good support. Perforated tray is known as punching tray. Ladder tray is mostly used for underground cables. Various types of tray fittings joint, bend, elbow, riser and reducer are used in the tray installation work. Instrument cables and control cables are should have to be lay in perforated tray. There are 50 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm, 900 mm sizes of electrical cable trays. There are two types of trays are used in the electrical construction. Ladder is mainly used to lay the power cables.

PTFE/RS-50	50	25			
PTFE/RS-75	75	25			
PTFE/RS-100	100	25			
PTFE/RS-150	150	25			
PTFE/RS-200	200	25	2400	1.0	
PTFE/RS-250	250	25		1.0	
PTFE/RS-300	300	25	3000	2.0	
PTFE/RS-400	400	25		2.0	
PTFE/RS-500	500	25			
PTFE/RS-600	600	25			
PTFE/RS-750	750	25			
PTFE/RS-800	800	25			
PTFE/RS-900	900	25			

PTFE-Coated Substratum
 (95 EN 60314-1 (1995),
 BS 7291
 Epox Powder Coated
 VSC-1
 Epox Powder Coated
 Stainless Steel 316
 Aluminum AA 1100
 & Clones



150 mm and 300 mm sizes of ladder is mostly used in the electrical construction. Height of the ladder tray is 125 mm. Purpose of using - Cable support and laying.







Height of the ladder tray is 125 mm. Purpose of using – Cable support and laying. Ladder tray/Punching (or) Perforated Interview tip: here you can read about electrical cable glands and its types and sizes. Ladder tray is used to lay the power cables. 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm and 900 mm are the available sizes of ladder trays. Height of the tray is 125 mm. Ladder cable tray sizes: 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm and 900 mm. Constant height: 125 mm. Purpose of use: Power cables. Punching or perforated cable tray is used to lay the control cables. 50 mm, 75 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 700 mm and 900 mm are the sizes of perforated tray. Perforated cable tray sizes: 50 mm, 75 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 700 mm and 900 mm. Constant height: 25 mm. Purpose of use: Control cables. There are various types of fittings used in the manual tray installation. Sometimes companies does not provides fittings, that situation electricians used to cut a trays with using jigsaw machine. Fittings: T-joint, bend or elbows, crossover, inside riser, outside riser, reducer, coupler, joint plate, unistate, spring and nut bolts. Tools requirement: Spanners, hammer, screwdriver, jigsaw for manual tray cutting.

Model	Thickness mm	Model	Thickness mm
50 x 50	3.5	400 x 100	4
50 x 100	3	400 x 150	4.5
100 x 100	3	400 x 200	5
150 x 100	3	500 x 100	5
200 x 100	3.6	500 x 150	5
200 x 150	4	500 x 200	5
200 x 200	4	600 x 100	5
300 x 100	4	600 x 150	5
300 x 150	4	600 x 200	5
300 x 200	4		

The height of the ladder tray is 125 mm. Purpose of using - Cable support and laying. Ladder TrayPunching(or) Perforated Interview tip: here you can read about electrical cable glands and its types and sizes. Ladder tray is used to lay the power cables. 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm and 900 mm are the available sizes of ladder trays. Height of the tray is 125 mm. Ladder cable tray sizes: 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm and 900 mm. Constant height: 125 mm. Purpose of use: Power cables. Punching or perforated cable tray is used to lay the control cables. 50 mm, 75 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 700 mm and 900 mm are the sizes of perforated tray. Perforated cable tray sizes: 50 mm, 75 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 700 mm and 900 mm. Constant height: 25 mm. Purpose of use: Control cables. There are various types of fittings used in the manual tray installation. Sometimes companies do not provides fittings, that situation electricians used to cut a trays with using jigsaw machine. Fittings: T-joint, bend or elbows, crossover, inside riser, outside riser, reducer, coupler, joint plate, unistate, spring and nut bolts. Tools requirement: Spanners, hammer, screwdriver, jigsaw for manual tray cutting, Trays for supporting cables are recommended for use in warehouses, industrial plants and offices. In the buildings and supports are made normally by metal. The most commonly used material for making the trays is galvanized steel. Galvanized steel trays are rigidly supported by brackets installed on both sides. All fittings, T-joints, elbows, couplers etc. shall be of substantial sections of the same quality as the tray. Cables shall be fastened securely by purpose made clips, cleats or saddles. Installed in outdoor locations, where the cables are exposed to the sun shall be provided with sun shade covers secured to the trays adequately ventilation and as recommended by the manufacturers. Cable trunking is a manufactured enclosure for the protection of cables. Purpose of use: Where applicable, surface and underground(duct) areas. Cable Trunking Sizes: 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 225 mm and 300 mm. Types of Trunking Fittings: Bend, coupler, T-joint, endcap. Adaptable trunking shall be used for power cables and data cables to run parallel in two different compartments with partition. Mini trunking is suitable for surface wiring work indoors where necessitated, either due to aesthetic or technical requirements such as case of extension of existing wiring. PVC (to know full form) insulated or other insulated cables shall be used in this type of installation.

ITEM NO.	SIZE				DESCRIPTION	REMARKS
	WIDTH (IN)	HEIGHT (IN)	LENGTH (IN)	THICKNESS (IN)		
SPRINKLER 01	30	10			Hot Oilproof Lubricating (Oil ISO-VG 100 - 1500)	
SPRINKLER 02	75	10			ISO 100	
SPRINKLER 03	100	10		1.0	Extra Powder Coated	
SPRINKLER 04	120	10	2400	1.0	ISO 100	
SPRINKLER 05	200	10	3000	1.5	Extra Powder Coated	
SPRINKLER 06	250	10		2.0	ISO 100	
SPRINKLER 07	300	10			Extra Powder Coated	
SPRINKLER 08	400	10			Standard Steel Deck	
SPRINKLER 09	500	10			Standard Steel Deck	
SPRINKLER 10	600	10			Standard AA 1000 & Others	

Ladder tray is mostly used for underground cables. Various types of tray fittings joint, bend elbow, riser and reducer are used in the tray installation work. Instrument cables and control cables are should have to be lay in perforated tray. There are 50 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm, 900 mm sizes of electrical cable trays. There are two types of trays are used in the electrical construction. Ladder is mainly used to lay the power cables. 150 mm and 300 mm sizes of ladder is mostly used in the electrical construction. Height of the ladder tray is 125 mm. Purpose of using - Cable support and laying. Ladder Tray/Punching (or) Perforated Interview tip: here you can read about electrical cable glands and its types and sizes. Ladder tray is used to lay the power cables. 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm and 900 mm are the available sizes of ladder trays. Height of the tray is 125 mm. Ladder cable tray sizes: 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 750 mm and 900 mm. Constant height: 125 mm. Purpose of use: Power cables. Punching or perforated cable tray is used to lay of the control cables. 50 mm, 75 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 700 mm and 900 mm are the sizes of perforated tray. Perforated cable tray sizes: 50 mm, 75 mm, 100 mm, 150 mm, 300 mm, 450 mm, 600 mm, 700 mm and 900 mm. Constant height: 25 mm.

Widths		
inch	mm	
4"	100mm	
6"	150mm	
8"	200mm	
12"	300mm	

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Purpose of use: Control cables. The main purpose of fittings does not provide the fittings, that situation electricians used to cut a trays with using jigsaw, hand saw, hacksaw, crosscut, etc. Constant height: 25 mm. Types of fittings used in the manual tray building are: In-riiser, outside riser, reducer, coupler, joint plate, unistate, spring and nut bolts. Tools requirement: Spanners, hammer, screwdriver, jigsaw for manual tray cutting. Trays for supporting cables are recommended to use in warehouses, industrial plants and equipment room, cable trenches, shafts in hotel cable trays, accessories and supports normally be hot dip galvanized or PVC coated and shall be either of the perforated type or ladder. The cable trays shall have adequate strength and rigidity to support the cables installed.

The tray shall be provided with upstands on both sides. All fittings, T-joints, elbows, couplers etc. shall be of substantial sections of the same quality as the trays. Cables shall be fastened securely by purpose made clips, cleats or saddles.

Installed in outdoor locations, where in the cables are exposed to the sun shall be provided with sun shade covers secured to the trays adequate ventilation and as recommended by the manufacturers. Cable trunking is a manufactured enclosure for the protection of cables. Purpose of Use: Where applicable, surface and underground(duct) areas.

Cable /Trunking Sizes: 50 mm, 75 mm, 100 mm, 150 mm, 225 mm, 300 mm, 450 mm, 600 mm, 750 mm, 900 mm. Types of Trunking: Fittings: Tee, Coupler, T-joint, end cap. Adaptable trunking shall be used for power cables and power cables parallel in two different compartments with partition. Mini trunking is suitable for surfaces wiring work indoors and outdoors. Constant height: 25 mm. Requirements: The cable tray shall be full cover or partial covering. If it is full cover, the cover data sheet shall be used. If it is partial covering, the information outlet, trunking shall be used. The cable tray shall be installed in such a way that the PVC trunking shall be adopted in residential buildings, or office building where there is a need of tidy wiring system. This type of trunking for distribution of voice data and power should be used for cable management and should accept data socket and power socket or other wiring accessory like switches, indicators etc. Preferred size of PVC trunking should be 25 x 16 mm, 32 x 16 mm, 40 x 25 mm, 40 x 40 mm and for adaptable trunking it should be 100 x 34 mm or 100 x 50 mm or 160 x 50 mm or 200 x 50 mm. Metallic or Pvc trunking shall be fixed by means of suitable screws to approved type of asbestos or fibre fixing plugs, at intervals not exceeding 60 cm for all sizes for mini trunking. Incase of adaptable trunking, the screwing system shall be such that weight of the trunking and hold firmly on the wall or ceiling. On either side of joints, the distance of the fixing arrangement shall not exceed 15 cm from the point. All trunking body shall be fixed directly on wall or ceiling as above.

Trunking shall be used only on dry walls and ceiling, avoiding outside walls as far as possible and shall not be buried in the walls not fixed in proximity to gas, steam or water pipes. Trunking shall be with pull off cover for protection against dust. Pull off cover shall be removed only on completion of painting of walls. The wire ways in straight runs should be in single piece as far as possible so as to avoid joints.

Trunking shall be of 2 m or 3 m standard for the ease of installation. All joints shall be scarfed or cut diagonally in longitudinal section, and shall be smoothed down by fitting to make the joints a very close fit as far as possible and without burrs. They shall be screwed at joints with two more or less screws as would be necessary. Joints arising out of the bends or diversion shall be done using standard accessories like internal angle, elbow, T-joint and end caps. For the separation of data cables and power cables there shall be partition in both trunking and accessories. In-riser and out-riser shall have variable angle for alignment at the wall corners. Hope you understand this article about the Cable Tray Sizes & Types | Types of Trunking. Please share your experience through the comments. Your comment can help me to improve my site updates. And if you think my post was something worth reading, then please share it with your social media friends. Follow our ElectricianWorld.Net website.