

Fill Ratio is the percentage of Usable Area filled by cables including the gaps between cables. Fill for double-sided (DS) cable managers is listed in two rows (Front/Rear).

Change the values in the cells that are highlighted in yellow to estimate cable fill values for different diameter cables or fill ratios.

## Estimated Cable Fill Capacities for CPI Cable Management and Pathway Products

Part Number	Description	Cable Manager Specs.			Cable OD (mm) Fill Ratio	Recommended Cable Fill			Maximum Cable Fill		
		Interior Width (mm)	Interior Depth (mm)	Usable Area (sq. mm)		Cat 5e	Cat 6	Cat 6a	Cat 5e	Cat 6	Cat 6a
						5.08	6.35	7.62	5.08	6.35	7.62
					50%	50%	50%	100%	100%	100%	
<b>Vertical Cable Managers for Racks and Cabinet Enclosures</b>											
84897-703	Momentum Vertical Cable Manager with Rings	107	89	9 480		116	74	51	233	149	103
84898-001	Momentum Vertical Cable Manager D-Ring Kit	107	218	23 290		287	183	127	574	367	255
<b>GlobalTrac Wire Mesh Cable Tray Products</b>											
(GlobalTrac Cable Tray has 50 mm , 100 mm or 150 mm high side walls. Cable should not exceed the height of the tray.)											
84811-X02	GlobalTrac Cable Tray, 50 mm H x 50 mm W x 3 m L	50	50	2 500		30	19	13	61	39	27
84811-X04	GlobalTrac Cable Tray, 50 mm H x 100 mm W x 3 m L	100	50	5 000		61	39	27	123	78	54
84811-X06	GlobalTrac Cable Tray, 50 mm H x 150 mm W x 3 m L	150	50	7 500		92	59	41	185	118	82
84811-X08	GlobalTrac Cable Tray, 50 mm H x 200 mm W x 3 m L	200	50	10 000		123	78	54	246	157	109
84811-X12	GlobalTrac Cable Tray, 50 mm H x 300 mm W x 3 m L	300	50	15 000		185	118	82	370	236	164
84811-X16	GlobalTrac Cable Tray, 50 mm H x 400 mm W x 3 m L	400	50	20 000		246	157	109	493	315	219
84811-X18	GlobalTrac Cable Tray, 50 mm H x 450 mm W x 3 m L	450	50	22 500		277	177	123	555	355	246
84811-X20	GlobalTrac Cable Tray, 50 mm H x 500 mm W x 3 m L	500	50	25 000		308	197	137	616	394	274
84811-X24	GlobalTrac Cable Tray, 50 mm H x 600 mm W x 3 m L	600	50	30 000		370	236	164	740	473	328
84821-X04	GlobalTrac Cable Tray, 100 mm H x 100 mm W x 3 m L	100	100	10 000		123	78	54	246	157	109
84821-X06	GlobalTrac Cable Tray, 100 mm H x 150 mm W x 3 m L	150	100	15 000		185	118	82	370	236	164
84821-X08	GlobalTrac Cable Tray, 100 mm H x 200 mm W x 3 m L	200	100	20 000		246	157	109	493	315	219
84821-X12	GlobalTrac Cable Tray, 100 mm H x 300 mm W x 3 m L	300	100	30 000		370	236	164	740	473	328
84821-X16	GlobalTrac Cable Tray, 100 mm H x 400 mm W x 3 m L	400	100	40 000		493	315	219	986	631	438
84821-X18	GlobalTrac Cable Tray, 100 mm H x 450 mm W x 3 m L	450	100	45 000		555	355	246	1110	710	493

Fill Ratio is the percentage of Usable Area filled by cables including the gaps between cables. Fill for double-sided (DS) cable managers is listed in two rows (Front/Rear).

## Estimated Cable Fill Capacities for CPI Cable Management and Pathway Products

Part Number	Description	Cable Manager Specs.			Cable	Recommended Cable Fill			Maximum Cable Fill		
		Interior Width (mm)	Interior Depth (mm)	Usable Area (sq. mm)		Cat 5e	Cat 6	Cat 6a	Cat 5e	Cat 6	Cat 6a
						OD (mm)	5.08	6.35	7.62	5.08	6.35
					Fill Ratio	50%	50%	50%	100%	100%	100%
84821-X20	GlobalTrac Cable Tray, 100 mm H x 500 mm W x 3 m L	500	100	50 000		616	394	274	1233	789	548
84821-X24	GlobalTrac Cable Tray, 100 mm H x 600 mm W x 3 m L	600	100	60 000		740	473	328	1480	947	657
84821-X28	GlobalTrac Cable Tray, 100 mm H x 700 mm W x 3 m L	700	100	70 000		863	552	383	1726	1105	767
84821-X32	GlobalTrac Cable Tray, 100 mm H x 800 mm W x 3 m L	800	100	80 000		986	631	438	1973	1263	877
84821-X36	GlobalTrac Cable Tray, 100 mm H x 900 mm W x 3 m L	900	100	90 000		1110	710	493	2220	1420	986
84831-X06	GlobalTrac Cable Tray, 150 mm H x 150 mm W x 3 m L	150	150	22 500		277	177	123	555	355	246
84831-X08	GlobalTrac Cable Tray, 150 mm H x 200 mm W x 3 m L	200	150	30 000		370	236	164	740	473	328
84831-X12	GlobalTrac Cable Tray, 150 mm H x 300 mm W x 3 m L	300	150	45 000		555	355	246	1110	710	493
84831-X16	GlobalTrac Cable Tray, 150 mm H x 400 mm W x 3 m L	400	150	60 000		740	473	328	1480	947	657
84831-X18	GlobalTrac Cable Tray, 150 mm H x 450 mm W x 3 m L	450	150	67 500		832	532	370	1665	1065	740
84831-X20	GlobalTrac Cable Tray, 150 mm H x 500 mm W x 3 m L	500	150	75 000		925	592	411	1850	1184	822
84831-X24	GlobalTrac Cable Tray, 150 mm H x 600 mm W x 3 m L	600	150	90 000		1110	710	493	2220	1420	986
84831-X28	GlobalTrac Cable Tray, 150 mm H x 700 mm W x 3 m L	700	150	105 000		1295	828	575	2590	1657	1151
84831-X32	GlobalTrac Cable Tray, 150 mm H x 800 mm W x 3 m L	800	150	120 000		1480	947	657	2960	1894	1315
84831-X36	GlobalTrac Cable Tray, 150 mm H x 900 mm W x 3 m L	900	150	135 000		1665	1065	740	3330	2131	1480

**Notes:**  
 This table lists estimated cable fill for CPI GlobalTrac Wire Mesh Cable Tray products. Cable fill varies with different size cables.  
 Cable fills are estimates based on 5.08 mm OD Cat 5e, 6.35 mm OD Cat 6, and 7.62 mm OD Cat 6a, 4-pair UTP horizontal cable.  
 Use the Cat 5e value to estimate fill for 6-strand fiber. Use the Cat 6 value to estimate fill for 12-strand fiber.  
 Cable Tray Recommended/Maximum Cable Fills are based on TIA-569 recommendations and 1.5 m support spacing.  
 The X in part numbers is color or another variable that does not affect cable fill capacities. Refer to the CPI Mini-Catalog for available options.

To calculate recommended cable fills for other size cables, divide the product's usable area by the area of the cable and multiply by 25% (50% for maximum fill). While every effort has been made to ensure the accuracy of all information, CPI does not accept liability for any errors or omissions and reserves the right to change information and descriptions of listed services and products.

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