

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 GlobalTrac Wire Mesh Cable Tray

| Part Number | Description | Cable Manager Specs. | | | Recommended Cable Fill | | | Maximum Cable Fill | | | |
|--|--|----------------------|---------------------|----------------------|------------------------|--------|-------|--------------------|--------|-------|--------|
| | | Interior Width (mm) | Interior Depth (mm) | Usable Area (sq. mm) | Cable | Cat 5e | Cat 6 | Cat 6a | Cat 5e | Cat 6 | Cat 6a |
| | | | | | OD (mm) | 5.08 | 6.35 | 7.62 | 5.08 | 6.35 | 7.62 |
| | | | | | Fill Ratio | 50% | 50% | 50% | 100% | 100% | 100% |
| GlobalTrac Wire Mesh Cable Tray Products | | | | | | | | | | | |
| (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 |
| 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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