

Patch Cord Densities

Recommended and Maximum Patch Cord Densities

Recommended capacity takes into consideration random jumper placement into the FiberGuide® system. Maximum density refers to the maximum number of fiber jumpers in a given cross-section of a FiberGuide installation.

Recommended/Maximum Density

1.2 mm Patch Cords (per in²)	1.5 mm Patch Cords (per in²)	1.7 mm Patch Cords (per in²)	2.0 mm Patch Cords (per in²)	3.0 mm Patch Cords (per in²)
428/570	274/365	213/284	154/205	68/91

Trough Pileup Recommended/ Maximum Density

		2-Inch	3-Inch	4-Inch
4x24 System	1.2 mm	20,768/27,691	31,152/41,536	41,537/55,382
	1.5 mm	13,292/17,722	19,937/26,583	26,583/35,444
	1.7 mm	10,349/13,798	15,522/20,696	20,696/27,595
	2.0 mm	7,477/9,969	11,215/14,953	14,953/19,937
	3.0 mm	3,323/4,431	4,985/6,646	6,646/8,861
4x12 System	1.2 mm	10,500/14,000	15,750/21,000	21,000/28,000
	1.5 mm	6,720/8,960	10,080/13,440	13,440/17,920
	1.7 mm	5,232/6,976	7,848/10,464	10,464/13,952
	2.0 mm	3,780/5,040	5,670/7,560	7,560/10,080
	3.0 mm	1,680/2,240	2,520/3,360	3,360/4,480
4x6 System	1.2 mm	5,366/7,155	8,049/10,732	10,733/14,310
	1.5 mm	3,434/4,579	5,152/6,869	6,869/9,158
	1.7 mm	2,674/3,565	4,011/5,348	5,348/7,130
	2.0 mm	1,932/2,576	2,898/3,864	3,863/5,151
	3.0 mm	859/1,145	1,288/1,717	1,718/2,290
4x4 System	1.2 mm	3,655/4,873	5,483/7,310	7,310/9,746
	1.5 mm	2,339/3,119	3,509/4,678	4,679/6,238
	1.7 mm	1,821/2,428	2,732/3,642	3,642/4,856
	2.0 mm	1,316/1,754	1,973/2,631	2,632/3,509
	3.0 mm	585/780	878/1,170	1,169/1,559
2x6 System	1.2 mm	5,598/7,464	-	-
	1.5 mm	3,583/4,777	-	-
	1.7 mm	2,789/3,719	-	-
	2.0 mm	2,015/2,687	-	-
	3.0 mm	896/1,194	-	-
2x2 System	1.2 mm	1,712/2,282	-	-
	1.5 mm	1,095/1,460	-	-
	1.7 mm	853/1,137	-	-
	2.0 mm	616/821	-	-
	3.0 mm	274/365	-	-

Vertical Trough Pileup Recommended/Maximum Density

		2-Inch
2x4 System	1.2 mm	2,000/2,280
	1.5 mm	1,480/1,704
	1.7 mm	960/1,136
	2.0 mm	720/816
	3.0 mm	320/352
2x2 System	1.2 mm	1,000/1,140
	1.5 mm	740/852
	1.7 mm	480/568
	2.0 mm	360/408
	3.0 mm	160/176

Recommended Density by Weight

1.2 mm Lbs (per in²)	1.5 mm Lbs (per in²)	1.7 mm Lbs (per in²)	2.0 mm Lbs (per in²)	3.0 mm Lbs (per in²)
0.551	0.739	0.561	0.498	0.421

Trough Recommended Density by Weight

		2-Inch	3-Inch	4-Inch
4x24 System	1.2 mm	20.06	40.12	53.49
	1.5 mm	26.90	53.81	71.75
	1.7 mm	20.42	40.85	54.46
	2.0 mm	18.13	36.26	48.35
	3.0 mm	15.33	30.65	40.87
4x12 System	1.2 mm	10.14	20.28	27.05
	1.5 mm	13.60	27.21	36.27
	1.7 mm	10.33	20.65	27.54
	2.0 mm	9.17	18.33	24.44
	3.0 mm	7.75	15.50	20.66
4x6 System	1.2 mm	5.18	10.37	13.82
	1.5 mm	6.95	13.90	18.54
	1.7 mm	5.28	10.55	14.07
	2.0 mm	4.68	9.37	12.49
	3.0 mm	3.96	7.92	10.56
4x4 System	1.2 mm	3.53	7.06	9.41
	1.5 mm	4.73	9.47	12.63
	1.7 mm	3.59	7.19	9.58
	2.0 mm	3.19	6.38	8.51
	3.0 mm	2.70	5.39	7.19
2x6 System	1.2 mm	2.70	-	-
	1.5 mm	3.63	-	-
	1.7 mm	2.75	-	-
	2.0 mm	2.44	-	-
	3.0 mm	2.07	-	-
2x2 System	1.2 mm	0.83	-	-
	1.5 mm	1.11	-	-
	1.7 mm	0.84	-	-
	2.0 mm	0.75	-	-
	3.0 mm	0.63	-	-

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