

Wire Fill Capacity Chart and Technical Information

Non-Metallic Raceway Wire Fill Capacities																
Series		Channel	Channel Area (sq. in.)	Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)				Data (Multimode Fiber Optic Cables)			
				14 AWG	12 AWG	10 AWG	4-Pair	25-Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
				Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288	
			Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	
PT1	A	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4	
PP1	A	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5	
PL1	A	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14	
PW1	A	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4	
PW2	A+B	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22	
A B	A	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11	
	B	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11	
PB2	A+B	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79	
A B	A or B	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40	
PB3	A+B+C	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77	
A B C	A or C	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25	
	B	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27	
PS3	A+B+C	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147	
A B C	A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47	
	B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52	

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Recommended Plate to Box Compatibility Selection Chart																
Non-Metallic Raceway Box Series		PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series	
Plate Style	Sample Catalog Number	IND	FCIB	FCIB2G	FCIB3G	IND	IND2G	FCIB	FCIB2G	FCIB3G	IND2G	LP, S, D	TGD	TGLV	LP(B), S(BA), D(BA)	TGB
1-Gang KP Series Plate	KP8	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang KP Series Bezel	KPIMBZ	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang Standard Data Plate	IFP12OW		X	X	X	X		X	X	X		X			X	
1-Gang iSTATION Plate Frame	IMF1OW		X	X	X	X		X	X	X		X			X	
Style Line® Data Plate	IFP126OW		X	X	X	X		X	X	X		X			X	
Duplex Data Plate	IFP18OW		X	X	X	X		X	X	X		X			X	
2-Gang iSTATION Plate Frame	IMF2OW													X		X
2-Gang Standard Data Plate	IFP29OW													X		X
2-Gang KP Series Plate	KP82															X

Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.

Physical Properties

(When tested in accordance with UL 5A)

Impact Resistance	5 ft. lbs.
Crush Resistance	300 lbs.
Temperature Range	-25.6° to 158° F
Flame Rating	UL94V-0
Material	UV Stabilized PVC

Codes/Standards

EIA/TIA	569A
UL Standard	UL 5A
Listings	E118895 / E119190
CSA Standard	C22.2 no. 62
Certified	LR87514

PlugTrak Specifications

Receptacle Rating	NEMA 5-15R & 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic