6000 RACEWAY WIRE FILL CAPACITY FOR POWER

WIRE SIZE THHN/THWN	O.D. Inches	[mm]	NUMBER OF CONDUCTORS (40% FILL)							
			WITHOUT DEVICES		WITH DUPLEX RECT. DEVICES 1.59 In² [1025mm²]		WITH SURGE GFCI DEVICES 2.30 In² [1485mm²]		LARGE SINGLE RECEPTACLES 3.00 In² [1935mm²]	
			UNDIV.	DIVIDED	UNDIV.	DIVIDED	UNDIV.	DIVIDED	UNDIV.	DIVIDED
14 AWG	0.111	[2.8]	659	296	528	231	470	202	412	173
12 AWG	0.130	[3.3]	481	216	385	168	342	147	300	126
10 AWG	0.164	[4.2]	303	136	243	106	216	92	189	79
8 AWG	0.216	[5.5]	174	78	140	61	124	53	109	45
6 AWG	0.254	[6.5]	126	56	101	44	89	38	78	33
4 AWG	0.324	[8.2]	77	34	–	–	–	–	–	–
3 AWG	0.352	[8.9]	65	29	–	–	–	–	–	–
2 AWG	0.384	[9.8]	55	24	–	–	–	–	–	–
1 AWG	0.446	[11.3]	40	18	–	–	–	–	–	–
1/0 AWG	0.486	[12.3]	34	15	–	–	–	–	–	–
2/0 AWG	0.532	[13.5]	28	12	–	–	–	–	–	–

6000 RACEWAY WIRE FILL CAPACITY FOR DATA/COMMUNICATION

TYPE	CABLE/WIRE SIZE	O.D. Inches	[mm]	DIVIDED 40% FILL	UNDIVIDED 40% FILL
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG Cat 5 UTP	0.220	[5.6]	80	161
	4-pair, 24 AWG Cat 3 UTP	0.190	[4.8]	107	217
TELEPHONE	2-Pair, 24 AWG	0.140	[3.6]	172	348
	3-pair, 24 AWG	0.150	[3.8]	172	348
	4-pair, 24 AWG	0.190	[4.8]	107	217
	25-pair, 24 AWG	0.410	[10.4]	23	46
COAXIAL	RG58/U	0.195	[5.0]	102	206
	RG59/U	0.242	[6.1]	66	133
	RG62/U	0.242	[6.1]	66	133
	RG6/U	0.270	[6.9]	53	107
TWINAXIAL	100 Ohm	0.330	[8.4]	35	71
SHIELDED TWISTED PAIR	TYPE 1	0.390	[9.9]	25	51
	TYPE 2	0.465	[11.8]	17	36
	TYPE 3	0.245	[6.2]	64	139
FIBER OPTIC	Two Strand (Duplex) Multimode 62.5/125upm	0.190	[4.8]	107	217