

Pre-Wired Raceway Technical Data and Wire Fill Capacity Chart



Pre-Wired Raceway Wire Fill Capacities																		
		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	.12 X .24			
		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			
Series		Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%			
HBL3000	No Barriers	3.70	152	111	70	52	11	32	43	30	15	22	52	136	51			
HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100			
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>B</td></tr> </table>	A	B	Divider Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43	
	A	B																
Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46				
HBL6750	No Barriers	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191			
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>A</td><td>A</td></tr> </table>	A	A	A	Barrier Offset 1/3 Ch. A	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
	A	A	A															
Barrier Offset 2/3 Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128				
HBLALU3800	No Barriers	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81			
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td></td><td></td></tr> </table>			Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161	
Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81				
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td></td><td></td></tr> </table>			Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104	
Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52				
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td></td><td></td><td></td></tr> </table>				2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69				
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>B</td></tr> </table>	A	B	Center Barrier/ 1 Channel	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40	
	A	B																
PS3 Channel A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47				
	Channel 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.

Physical Properties

Material Steel
Anodized Aluminum
*PVC (UV Stabilized)

Codes/Standards

TIA/EIA 596B
UL Standard UL 5
*UL 5A
Listings E253976 / E253830 / E253833
*E118895 / *E119190 / E80107
CSA Standard C22.2 no. 62 and 62.1
Certification LR87514
Flame Rating *UL94V-0
* Pertains only to non-metallic raceways.

