



Bendsdorf & Johnson, Inc.
 111 S. Pflingsten Rd
 Suite 114
 Deerfield, IL 60015
 847-205-2322 Fax 847-919-3492
www.bendsdorfandjohnson.com

Cable in Conduit Fill Chart

0 O.D.	0 O.D.	0 O.D.	0 O.D.	0 O.D.
0 50% of OD	0 50% of OD	0 50% of OD	0 50% of OD	0 50% of OD
0 squared	0 squared	0 squared	0 squared	0 squared
0 x PIE 3.14	0 x PIE 3.14	0 x PIE 3.14	0 x PIE 3.14	0 x PIE 3.14
0 area of 1 cond	0 area of 1 cond	0 area of 1 cond	0 area of 1 cond	0 area of 1 cond

Total Area: 0

Description	Cable OD	Description	Cable OD	Area	NEC fill 2 Cond.	NEC fill 3 Cond.	Draka's Max CIC fill	Duct Tube ID
#14 Bare Cu	0.073	1/0 XHHW-2	0.478	0.651	0.204	0.260	0.181	0.54
#12 Bare Cu	0.092	2/0 XHHW-2	0.521	1.03	0.319	0.412		0.75
#10 Bare Cu	0.116	3/0 XHHW-2	0.572	1.629	0.505	0.652		0.99
#8 Bare Cu	0.146	4/0 XHHW-2	0.678	2.139	0.663	0.856		1.19
#6 Bare Cu	0.184	250MCM XHHW-2	0.694	3.35	1.039	1.340		1.49
#4 Bare Cu	0.232	350MCM XHHW-2	0.797					
#2 Bare Cu	0.292	500MCM XHHW-2	0.925					
#1 Bare Cu	0.332							
1/0 Bare Cu	0.372	#12 XLP-USE	0.185	0.508	0.157	0.2032	0.132	0.465
2/0 Bare Cu	0.418	#10 XLP-USE	0.209	0.832	0.258	0.3328	0.297	0.65
3/0 Bare Cu	0.470	#8 XLP-USE	0.268	1.453	0.45	0.5812	0.502	0.99
4/0 Bare Cu	0.528	#6 XLP-USE	0.304	1.986	0.616	0.7944		1.19
250MCM Bare Cu	0.575	#4 XLP-USE	0.351	3.292	1.021	1.3168		1.49
		#2 XLP-USE	0.409	4.695	1.455	1.878		2.04
#12 THHN/THWN	0.13	#1 XLP-USE	0.487	7.268	2.253	2.907		2.5
#10 THHN/THWN	0.165	1/0 XLP-USE	0.528					
#8 THHN/THWN	0.215	2/0 XLP-USE	0.571					
#6 THHN/THWN	0.321	3/0 XLP-USE	0.622					
#4 THHN/THWN	0.379	4/0 XLP-USE	0.678					
#2 THHN/THWN	0.379	250MCM XLP-USE	0.754					
#1 THHN/THWN	0.439	350MCM XLP-USE	0.857					
1/0 THHN/THWN	0.48	500MCM XLP-USE	0.985					
2/0 THHN/THWN	0.523							
3/0 THHN/THWN	0.574	#12 FREP-USE	0.185					
4/0 THHN/THWN	0.63	#10 FREP-USE	0.209					
250MCM THHN/THWN	0.698	#8 FREP-USE	0.268					
350MCM THHN/THWN	0.801	#6 FREP-USE	0.306					
500MCM THHN/THWN	0.929	#4 FREP-USE	0.353					
		#2 FREP-USE	0.411					
		#1 FREP-USE	0.49					
#12 XHHW-2	0.153	1/0 FREP-USE	0.531					
#10 XHHW-2	0.177	2/0 FREP-USE	0.574					
#8 XHHW-2	0.238	3/0 FREP-USE	0.625					
#6 XHHW-2	0.274	4/0 FREP-USE	0.681					
#4 XHHW-2	0.321	250MCM FREP-USE	0.757					
#2 XHHW-2	0.379	350MCM FREP-USE	0.86					
#1 XHHW-2	0.437	500MCM FREP-USE	0.988					