

Square Cut Bushing Selection Charts for Electrical Wire

4x4, 2x2 and WS 68 Tools — Bushings may be ordered separately (by bushing part numbers) or in four standard kit configurations (part numbers shown below) by wire type. Each of these 4 kits come with a 4x4 body, the bushings as shown, and a tool case.

These tables should only be used as a guide. Cable samples should be provided to Ripley to ensure proper sizing.

Standard Kit Sets

Bushing Part No.	THHN Copper Conductor Kit P/N: 34695	XHHW Copper Conductor Kit P/N: 34910	THHN/XHHN Aluminum Conductor Size Kit P/N: 34998	RHW/RHH/USE Copper Conductor Size Kit P/N: 34785
10-27522	6	6	6	—
10-32530	—	—	4	—
10-32540	—	—	—	6
10-35030	4	4	—	—
10-37530	3	3	2	—
10-37540	—	—	—	4
10-40030	2	2	—	—
10-42540	—	—	1	—
10-45040	—	—	—	2
10-47540	1	1	1/0	—
10-52540	1/0	1/0	2/0	—
10-52560	—	—	—	1
10-55040	2/0	2/0	—	—
10-57540	—	—	3/0	—
10-57560	—	—	—	1/0
10-60040	3/0	3/0	—	—
10-60060	—	—	—	2/0
10-62540	—	—	4/0	—
10-65060	—	—	—	3/0
10-67540	4/0	4/0	—	—
10-70050	—	—	250 MCM	—
10-72560	—	—	—	4/0
10-75050	250 MCM	250 MCM	300 MCM	—
11-77550	—	300 MCM	—	—
11-80050	300 MCM	—	350 MCM	—
11-80075	—	—	—	250 MCM
11-82550	—	350 MCM	400 MCM	—
11-85050	350 MCM	—	—	—
11-85075	—	—	—	300 MCM
11-87550	400 MCM	400 MCM	—	—
11-90075	—	—	—	350 MCM
11-92550	—	—	500 MCM	—
11-97550	500 MCM	500 MCM	—	—
11-102575	—	—	—	500 MCM

Special Order Sizes (not included in standard Kit Sets above)

11-102560	—	—	*600 MCM	—
11-105060	*600 MCM	*600 MCM	—	—
11-107560	—	—	*700 MCM	—
11-110060	—	—	*750 MCM	—
11-117560	*750 MCM	*750 MCM	—	—

SECONDARY DIST.

PRIMARY DIST. (OH)

PRIMARY DIST. (URD)

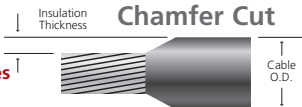
SPECIALTY DIST.

TRANSMISSION

2x2 PLUS & 4x4 Plus® Bushings to Chamfer Cut Insulation

Replacement Blade: CB 108

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Concentric Strand Conductor

CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max.	O.D.	Part	Max.	O.D.	Part	Max.	O.D.	Part	Max.	O.D.	Part
	(in)	(mm)	Number	(in)	(mm)	Number	(in)	(mm)	Number	(in)	(mm)	Number
6	.290	7.37	12-30030	.315	8.00	12-32540	*	*	*	.390	9.91	12-40075
4	.340	8.64	12-35030	.365	9.27	12-37540	*	*	*	*	*	*
2	.390	9.91	12-40030	.440	11.18	12-45040	.465	11.81	12-47560	*	*	*
1	*	*	*	.465	11.81	12-47540	.515	13.08	12-52560	*	*	*
1/0	*	*	*	.515	13.08	12-52540	.565	14.35	12-57560	.590	14.99	12-60075
2/0	*	*	*	.565	14.35	12-57540	.590	14.99	12-60060	.640	16.26	12-65075
3/0	*	*	*	.615	15.62	12-62540	.665	16.89	12-67560	.690	17.53	12-70075
4/0	*	*	*	.665	16.89	12-67540	.715	18.16	12-72560	.740	18.80	12-75075
MCM												
250	*	*	*	*	*	*	.765	19.43	13-77560	.790	20.07	13-80075
350	*	*	*	*	*	*	.865	21.97	13-87560	.890	22.61	13-90075
500	*	*	*	*	*	*	.990	25.15	13-100060	1.040	26.42	13-105075



Compressed Strand Conductor

CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max.	O.D.	Part	Max.	O.D.	Part	Max.	O.D.	Part	Max.	O.D.	Part
	(in)	(mm)	Number	(in)	(mm)	Number	(in)	(mm)	Number	(in)	(mm)	Number
6	.290	7.37	12-30030	.315	8.00	12-32540	*	*	*	.390	9.91	12-40075
4	.340	8.64	12-35030	.365	9.27	12-37540	*	*	*	*	*	*
2	.390	9.91	12-40030	.415	10.54	12-42540	.465	11.81	12-47560	*	*	*
1	*	*	*	.465	11.81	12-47540	.515	13.08	12-52560	*	*	*
1/0	*	*	*	.490	12.45	12-50040	.540	13.72	12-55060	.590	14.99	12-60075
2/0	*	*	*	.540	13.72	12-55040	.590	14.99	12-60060	.615	15.26	12-62575
3/0	*	*	*	.590	14.99	12-60040	.640	16.26	12-65060	.665	16.89	12-67575
4/0	*	*	*	.665	16.89	12-67540	.690	17.53	12-70060	.740	18.80	12-75075
MCM												
250	*	*	*	*	*	*	.740	18.80	12-75060	.765	19.43	13-77575
350	*	*	*	*	*	*	.840	21.34	13-85060	.890	22.61	13-90075
500	*	*	*	*	*	*	.965	24.51	13-97560	1.015	25.78	13-102575



Compacted Strand Conductor

CONDUCTOR SIZE AWG	INSULATION THICKNESS											
	45 MIL			60 MIL			80 MIL			95 MIL		
	Max.	O.D.	Part	Max.	O.D.	Part	Max.	O.D.	Part	Max.	O.D.	Part
	(in)	(mm)	Number	(in)	(mm)	Number	(in)	(mm)	Number	(in)	(mm)	Number
6	.290	7.37	12-30030	.315	8.00	12-32540	*	*	*	.390	9.91	12-40075
4	.340	8.64	12-35030	.365	9.27	12-37540	*	*	*	*	*	*
2	.390	9.91	12-40030	.415	10.54	12-42540	.465	11.80	12-47560	*	*	*
1	*	*	*	.440	11.18	12-45040	.490	12.35	12-50060	*	*	*
1/0	*	*	*	.465	11.81	12-47540	.515	13.08	12-52560	.565	14.35	12-57575
2/0	*	*	*	.515	13.08	12-52540	.565	14.35	12-57560	.590	14.99	12-60075
3/0	*	*	*	.565	14.35	12-57540	.615	15.62	12-62560	.640	16.26	12-65075
4/0	*	*	*	.615	15.62	12-62540	.665	16.89	12-67560	.690	17.35	12-70075
MCM												
250	*	*	*	*	*	*	.715	18.16	12-72560	.740	18.80	13-75075
350	*	*	*	*	*	*	.790	20.07	13-80060	.840	21.34	13-85075
500	*	*	*	*	*	*	.915	23.24	13-92560	.965	24.15	13-97575