

**AVAILABLE CONDUIT AREA
(SQUARE INCHES)**

CONDUIT SIZE	PERCENT OF FILL			
	26%*	40%	50%	100%
1"	0.23	0.35	0.43	0.86
1-1/2"	0.53	0.82	1.02	2.04
2"	0.87	1.34	1.68	3.36
2-1/2"	1.24	1.92	2.40	4.79
3"	1.92	2.96	3.69	7.38
3-1/2"	2.57	3.96	4.95	9.90
4"	3.31	5.09	6.36	12.72

* AS A PRACTICAL LIMIT, PROJECTS FOR NEW INSTALLATIONS SHOULD BE LIMITED TO 26%.



CONDUCTOR SIZE

CONDUCTOR SIZE (AWG)	TYPES THWN AND THHN		TYPES TW, THW USE RHH AND RHW	
	INSULATION THICKNESS (INCHES)	TOTAL AREA (INCHES ²)	INSULATION THICKNESS (INCHES)	TOTAL AREA (INCHES ²)
#14	.017	.008	.045	.021
#12	.017	.010	.045	.025
#10	.022	.017	.045	.031
#8 ST	.032	.035	.060	.060
#6 ST	.032	.048	.060	.082
#4 ST	.042	.078	.060	.109
#2 ST	.042	.111	.060	.147

NOTE:

CONDUCTOR SPLICING TO CONFORM TO CALTRANS SPLICING DETAIL ES-13.

THE CITY OF WEST SACRAMENTO - STANDARD DETAIL

APPROVED BY:  CITY ENGINEER	C-38733 P.E. NO.	3/31/05 DATE	TITLE: TABLES FOR AVAILABLE CONDUIT AREA AND CONDUCTOR SIZE	
REVISION:			<div style="border: 1px solid black; padding: 5px; display: inline-block;"> STANDARD DETAIL # 612 </div>	
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