



Minimum Wire Bending Space

NEC Table 312.6(A) Minimum wire bending space at terminals and minimum width of wiring gutters

AWG OR CIRCULAR MIL SIZE OF WIRE	WIRES PER TERMINAL									
	1		2		3		4		5	
	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
14-10	Not specified		-	-	-	-	-	-	-	-
8-6	38.1	1½	-	-	-	-	-	-	-	-
4-3	50.8	2	-	-	-	-	-	-	-	-
2	63.5	2½	-	-	-	-	-	-	-	-
1	76.2	3	-	-	-	-	-	-	-	-
1/0-2/0	88.9	3½	-	-	-	-	-	-	-	-
3/0-4/0	102	4	127	5	-	-	-	-	-	-
250 kcmil	114	4½	152	6	203	8	-	-	-	-
300-350 kcmil	127	5	152	6	203	8	254	10	-	-
400-500 kcmil	152	6	203	8	254	10	305	12	-	-
600-700 kcmil	203	8	203	8	254	10	305	12	456	14
750-900 kcmil	203	8	254	10	305	12	356	14	406	16
1000-1250 kcmil	254	10	305	12	356	14	406	16	457	18
1500-2000 kcmil	305	12	-	-	-	-	-	-	-	-

Bending space at terminals shall be measured in a straight line from the end of the lug or wire connector (in the direction that the wire leaves the terminal) to the wall, barrier or obstruction.

NEC Table 312.6(B) Minimum wire bending space at terminals Data subject to change without notice.

WIRE SIZE (AWG OR KCMIL)		WIRES PER TERMINAL							
		1		2		3		4 OR MORE	
ALL OTHER CONDUCTORS	COMPACT STRANDED AA-8000 ALUMINUM ALLOY CONDUCTORS (SEE NOTE 3.)	MM	IN	MM	IN	MM	IN	MM	IN
14-10	12-8	Not Specified		-	-	-	-	-	-
8	6	38.1	1½	-	-	-	-	-	-
6	4	50.8	2	-	-	-	-	-	-
4	2	76.2	3	-	-	-	-	-	-
3	1	76.2	3	-	-	-	-	-	-
2	1/0	88.9	3½	-	-	-	-	-	-
1	2/0	114	4½	-	-	-	-	-	-
1/0	3/0	140	5½	140	5½	178	7	-	-
2/0	4/0	152	6	152	6	190	7½	-	-
3/0	250	165 ^a	6½ ^a	165 ^a	6½ ^a	203	8	-	-
4/0	300	178 ^b	7 ^b	190 ^c	7½ ^c	216 ^a	8½ ^a	-	-
250	350	216 ^d	8½ ^d	229 ^b	8½ ^b	254 ^b	9 ^b	254	10
300	400	254 ^e	10 ^e	254 ^d	10 ^d	279 ^b	11 ^b	305	12
350	500	305 ^e	12 ^e	305 ^e	12 ^e	330 ^e	13 ^e	356 ^d	14 ^d
400	600	330 ^e	13 ^e	330 ^e	13 ^e	356 ^e	14 ^e	381 ^e	15 ^e
500	700-750	356 ^e	14 ^e	356 ^e	14 ^e	381 ^e	15 ^e	406 ^e	16 ^e
600	800-900	381 ^e	15 ^e	406 ^e	16 ^e	457 ^e	18 ^e	483 ^e	19 ^e
700	1000	406 ^e	16 ^e	457 ^e	18 ^e	508 ^e	20 ^e	559 ^e	22 ^e
750	-	432 ^e	17 ^e	483 ^e	19 ^e	559 ^e	22 ^e	610 ^e	24 ^e
800	-	457	18	508	20	559	22	610	24
900	-	483	19	559	22	610	24	610	24
1000	-	508	20	-	-	-	-	-	-
1250	-	559	22	-	-	-	-	-	-
1500	-	610	24	-	-	-	-	-	-
1750	-	610	24	-	-	-	-	-	-
2000	-	610	24	-	-	-	-	-	-

- Bending space at terminals shall be measured in a straight line from the end of the lug or wire connector in a direction perpendicular to the enclosure wall.
- For removable and lay-in wire terminals intended for only one wire, bending space shall be permitted to be reduced by the following number of millimeters (inches): ^a 12.7mm (½ in.) ^b 25.4mm (1 in.) ^c 38.1mm (1½ in.) ^d 50.8mm (2 in.) ^e 76.2mm (3 in.)
- This column shall be permitted to determine the required wire-bending space for compact stranded aluminum conductors in sizes up to 1000 kcmil and manufactured using AA-8000 series electrical grade aluminum alloy conductor material in accordance with 310.14.