

Appendix C. Wire bending space at filed wiring terminals

Table C.1. Minimum bending space, terminal to wall, according to UL 508a – Rev. 2007-2018 (25 Wire Bending Space)

Wire Size		Minimum bending space d* [inch] & [mm]							
[AWG/kcmil]	[mm ²]	1 wire		2 wires		3 wires		4 or more wires	
14 ÷ 10 AWG	2,1 ÷ 5,3	Not specified		**		**		**	
8 ÷ 6	8,4 ÷ 13,3	1-1/2	38	**		**		**	
4 ÷ 3	21,2 ÷ 26,7	2	51	**		**		**	
2	33,6	2-1/2	64	**		**		**	
1	42,4	3	76	**		**		**	
1/0	53,5	5	127	5	127	7	178	n.a.	
2/0	67,4	6	152	6	152	7-1/2	191	n.a.	
3/0	85	7	178	7	178	8	203	n.a.	
4/0	107,2	7	178	7	178	8-1/2	216	n.a.	
250 kcmil	127	8	203	8	203	9	229	10	254
300	152	10	254	10	254	11	279	12	305
350	177	12	305	12	305	13	330	14	356
400	203	12	305	12	305	14	356	15	381
500	253	12	305	12	305	15	381	16	406
600	304	14	356	16	406	18	457	19	483
700	355	14	356	16	406	20	508	22	559
750 ÷ 800	380 ÷ 405	18	457	19	483	22	559	24	610
900	456	18	457	19	483	24	610	24	610
1000	506	20	508	n.a.		n.a.		n.a.	
1250	633	22	559	n.a.		n.a.		n.a.	
1500 ÷ 2000	760 ÷ 1013	24	610	n.a.		n.a.		n.a.	

* The distance between the end of a pressure wire connector or terminal block for connection of a field installed wire, and the wall of the enclosure toward which the wire is to be directed.

** Conductors smaller than 1/0 AWG shall not be connected in parallel.

n.a. Values not available.

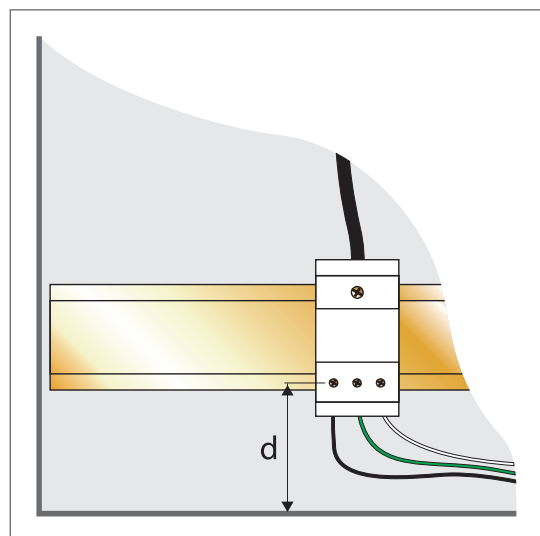


Figure C.1. Definition of bending space