

Approach Boundaries to Energized Electrical Conductors Table
(Data from 2015 Editions of NFPA 70E Table 130.4 (D)(a) and CSA
Z462 Table 1A)

(1) Nominal System Voltage Range, Phase to Phase	(2) Limited Approach Boundary – Exposed Movable Conductor		(3) Limited Approach Boundary – Exposed Fixed Circuit Part		(4) Restricted Approach Boundary – Includes Inadvertent Movement Adder	
Less than 50	Not Specified		Not Specified		Not Specified	
50 to 150	10 ft 0 in.	3.0 m	3 ft 6in	1.0 m	Avoid Contact	
151 to 750	10 ft 0 in.	3.0 m	3 ft 6in.	1.0 m	1 ft 0 in.	0.3 m
751 to 15 kV	10 ft 0 in.	3.0 m	5 ft 0 in.	1.5 m	2 ft 2 in.	0.7 m
15.1 kV to 36 kV	10 ft 0 in.	3.0 m	6 ft 0 in.	1.8 m	2 ft 7 in.	0.8 m
36.1 kV to 46 kV	10 ft 0 in.	3.0 m	8 ft 0 in.	2.5 m	2 ft 9 in.	0.8 m
46.1 kV to 72.5 kV	10 ft 0 in.	3.0 m	8 ft 0 in	2.5 m	3 ft 3 in.	1 m
72.6 kV to 121 kV	10 ft 8 in.	3.3 m	8 ft 0 in.	2.5 m	3 ft 4 in.	1.0 m
138 kV to 145 kV	11 ft 0 in.	3.4 m	10 ft 0 in.	3.0 m	3 ft 10 in.	1.2 m
161 kV to 169 kV	11 ft 8 in.	3.6 m	11 ft 8 in.	3.6 m	4 ft 3 in.	1.3 m
230 kV to 242 kV	13 ft 0 in.	4.0 m	13 ft 0 in.	4.0 m	5 ft 8 in.	1.7 m
345 kV to 362 kV	15 ft 4 in.	4.7 m	15 ft 4 in.	4.7 m	9 ft 2 in.	2.8 m
500 kV to 550 kV	19 ft 0 in.	5.8 m	19 ft 0 in.	5.8 m	11 ft 10 in.	3.6 m
765 kV to 800 kV	23 ft 9 in.	7.2 m	23 ft 9 in.	7.2 m	15 ft 11 in.	4.9 m